APRROVAL
As Required by Chapt. 4 Sect. 100.6

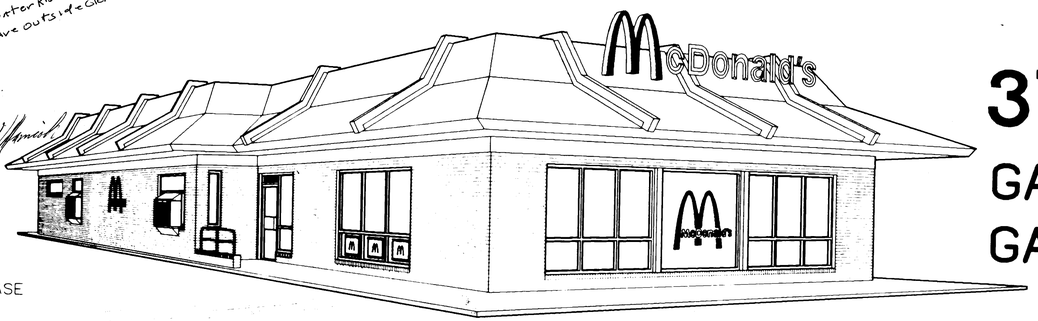
WATER DEPT. Robert Daniels — no city water R.D.S waterwill be from Kin 2.B.A Rolma R.D.S
SEWER DEPT. Robert Daniels — must have outside clean out R.D.S
HIGHWAY DEPT. Robert Jr
~~FIRE DEPT.~~
~~TRAFFIC COMM.~~
CONSERVATION COMM. approved R. Wamsley

CRESCENT ST.

CHECKBOX LEGEND

☒ = SHEETS REQUIRED FOR THIS JOB

▪ = SHEETS REVISED FOR THIS RELEASE



37-84/89 BASEMENT

GAS COOKING
GAS HVAC

GAS UTILITIES

REV	DATE	DESCRIPTION	BY	ISSUE REF	INDX
1		2-1-D CODE UPDATE			

VIEW CONVENTION — SCALE — UNITS OF MEASURE

DRAWING INDEX

SITE

CHECK BOX	LAST REV	SHEET NO	DESCRIPTION
☒			SITE PLAN - LEASE PLAN
☒			SITE PLAN - EXIST. COND.
☒	1	SP-1	SITE PLAN
☒	2	SP-2	SITE PLAN - ENGINEERING
☒	1	SP-3	LANDSCAPE PLAN
☒		SD-1	SITE DETAILS
☒		SD-2	SITE DETAILS
☒		SD-3	SITE DETAILS
☒		SD-4	SITE DETAILS
☒			SPECIAL SIGN

ARCHITECTURAL

		A01	FOUNDATION & SLAB PLAN (15 PSF WIND LOAD)
☒	1	A01	FOUNDATION & SLAB PLAN (26 PSF WIND LOAD)
☒	2	A1A	STRUCTURAL SLAB PLAN
☒	1	A02	CONCRETE DETAILS
☒	2	A2A	BASEMENT PLAN
		A03	FLOOR PLAN (15 PSF WIND LOAD)
☒	2	A03	FLOOR PLAN (26 PSF WIND LOAD)
☒	3	A04	ELEVATIONS BUILDING CROSS SECTION
☒	3	A05	ELEVATIONS BUILDING LONGITUDINAL SECTION
☒	1	A06	WALL SECTIONS DETAILS
☒	1	A07	WALL SECTIONS DETAILS
☒	1	A08	DRIVE-THRU SECTIONS DETAILS
☒	1	A09	DETAILS
☒	1	A10	BLACK IRON DUCT FIRE CHASES
☒	1	A11	INTERIOR ELEVATIONS
		A12	STORAGE UNIT DETAILS
☒	2	A13	DETAILS
☒	1	V01	VESTIBULE
☒	1	V02	VESTIBULE

STRUCTURAL

☒	1	S01	STEEL FRAMING PLAN (20,30,40 PSF LIVE LOAD)
		S01	STEEL FRAMING PLAN (60, 90 PSF LIVE LOAD)
☒	1	S02	MANSARD FRAMING PLAN
☒	1	S03	STEEL DETAILS
☒	1	S04	STEEL DETAILS
☒		S05	H.V.A.C. FRAMING DETAILS

RESTROOM

		R01	RESTROOM A
		R01	RESTROOM B
		R01	RESTROOM C
		R01	RESTROOM D
		R01	RESTROOM E (TOLLWAY)
☒	1	R01	RESTROOM G
		R01	RESTROOM H
		R01	RESTROOM S

SPECIAL EXTERIOR - COLONIAL

☒	SX1	PLANS - SPECIAL MASONRY DETAILS
☒	A04	ELEVATIONS - SECTION
☒	A05	ELEVATIONS - SECTION
☒	A06	BOW WINDOW
☒	A07	DETAILS
☒	V01	VESTIBULE
☒	V02	VESTIBULE
☒	V03	VESTIBULE
☒	M01	H.V.A.C.

MECHANICAL

☒	1	M01	H.V.A.C. FLOOR PLAN
		M01	H.V.A.C. FLOOR PLAN (EXTREME TEMPERATURE)
☒		M02	H.V.A.C. SCHEDULES
		M02	H.V.A.C. SCHEDULES (EXTREME TEMPERATURE)
☒	1	M03	RESTROOM & VESTIBULE H.V.A.C. PLAN
		M03	RESTROOM & VESTIBULE H.V.A.C. PLAN (EXTREME TEMP)
☒	1	M04	H.V.A.C. ROOF PLAN
		M04	H.V.A.C. ROOF PLAN (EXTREME TEMPERATURE)
☒	A	M05	H.V.A.C. SECTION & DETAILS
		M05	H.V.A.C. SECTION & DETAILS (EXTREME TEMPERATURE)

ELECTRICAL

☒		E01	KITCHEN AREA POWER PLAN (GAS COOKING)
☒	1	E02	REAR AREA AND BASEMENT AREA POWER PLAN
☒	1	E03	ELECTRIC PANELS/RISER DIAGRAM (GAS UTILITIES)
☒	1	E04	REFLECTED CEILING PLAN
☒	1	E05	ROOF ELECTRICAL PLAN
☒		E06	H.V.A.C. WIRING
☒		E07	DRIVE-THRU SIGNS AND INTERCOM DETAILS
☒		E08	FIXTURE SCHEDULE LIGHTING CONTROL PANEL WIRING

PLUMBING

☒		P01	ABOVE FLOOR PIPING PLAN
☒	1	P02	BELOW FLOOR PIPING PLAN
☒		P03	SUPPLY & WASTE PIPING ISOMETRIC
☒		P04	GAS PIPING PLAN AND ISOMETRIC (GAS UTILITIES)
☒	1	SPR-1	BASEMENT SPRINKLER

KITCHEN

☒	CVS	KITCHEN LAYOUT (BASEMENT)
☒	K01	KITCHEN EQUIPMENT PLAN
☒	K02	KITCHEN ROUGH-IN CONNECTIONS PLAN (GAS COOKING)
☒	K03	REAR STORAGE AREA PLAN
☒	K04	REAR STORAGE ROUGH-IN CONNECTION PLAN
☒	K05	PLUMBING & REFRIGERATION DIAGRAM
☒	K06	DRIVE-THRU ROUGH-IN PLAN
☒	K07	DRIVE-THRU POS SCHEMATIC
☒	K08	FIXTURE LEGEND (GAS COOKING)
☒	K09	FIXTURE LEGEND (GAS COOKING)
☒	K10	FIXTURE LEGEND
☒	K11	FIXTURE LEGEND
☒	CVS	KITCHEN LAYOUT (FIRST FLOOR)

McDonald's®
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

McDONALD'S CORPORATION
OAK BROOK PROD. DRIVE
OAK BROOK, ILLINOIS 60521

TITLE 37-84/89 BASEMENT	CHECKED BY MAR	DATE CHECKED 30AUG89	
DRAWN BY RLF	APPROVED BY	DATE APPROVED 30AUG89	
MATERIAL / DESCRIPTION		DATE ISSUED 01SEP89	
DATE DRAWN	ISSUE REF		
DRAWING ID 98M -37848S			

CALDORS PARKING SPACES = 220±

CALDORS

REMAINDER OF PLOT 69-2
Area = 7.370 Ac.
SEE PLAN #414 OF 1962
DEED BK. 4200, PGS 607-608

EMH RIM=111.84

56" R.C.P.

LCB w/ D.H. Fnd. Held

403.82'
608.82'

DRIVE-THRU

CAMPELLO CO-OP BANK

SIDE WALK

BEARING BASE OF L.C. CASE # 31252

Property Corner

Guard Rail

N 77° 34' 00" E

243.28'

I.R.SET

50.00'

8.00'

23.32'

478.07'

133.47'

PROPOSED LEASE LINE

I.R.SET

20.00'

PLOT 68-4
DEED BK. 4107, PG. 68
N/F SECURITY FEDERAL SAVINGS & LOAN ASSOCIATION OF BROCKTON

3' Chain link fence

PARCEL B
Area = 33,562 s.f.

LEACH'S BROOK (20' WIDE) IMPROVEMENT EASEMENT
SEE PLAN #415 OF 1962
SEE DEED BK. 1689, PG. 511

N 43° 00' 00" W

238.09'

238.08'

DMH C

REMAINDER OF PLOT 69
Area = 12.906 Ac.
SEE L.C. PLAN 31252 A
CERTIFICATE OF TITLE 46684
N/F GERALD D. COHEN, RICHARD B. COHEN AND HAROLD C. GARNICK

PARCEL A
Area = 4,107 s.f.

PROPOSED LEASE LINE

EMH RIM=111.35

S 11° 49' 50" E

205.00'

205.71'

N 12° 26' 00" W

185.00'

205.00'

RIGHT OF WAY 50' WIDE
(SEE PLAN BK. 8, PG. 599 AND PLAN '98 OF 1966)

Swale

Wheel Stops

SECURITY FEDERAL SAVINGS BANK

WIRES

EMH RIM=111.24

ALL ELECTRIC MANHOLES PROVIDE SERVICE TO LIGHT POLES ONLY.

R=20.00'
A=31.42'

Old light post mound

Sign

One way sign

CB 6 12" R.C.P. CB 7 12" RCP S=0.015

CB 4 S=0.046 DMH A 24" R.C.P.

CB 5 DMH B 24" R.C.P. S=0.006

24" RCP S=0.002

15" RCP

Flood Berm

CB 2 8" R.C.P. S=0.039

CB 3 S=0.03

18" RCP

Traffic Signal

Sideline of Dunham St.

260.00'

D.H. Fnd.

227.75'

S 77° 34' 00" W

70.00'

720.39'

I.R.SET

20.00'

109.08

23.32'

310.24'

20.01'

I.R.SET

S 79° 34' 00" W

830.55'

850.56'

SIDEWALK

TELE PHONE

12" WATER

10" SEWER

SMH

18" DRAIN

8" GAS

6" GAS

CRESCENT (PUBLIC, 50' WIDE) STREET

DMH D DMH E DMH F

CB

BENCHMARK: NO. RIM DRAIN MANHOLE ELEV. = 107.23 B.C.B.

THE INTENT OF THIS PLAN IS TO CREATE TWO LEASABLE PARCELS, PARCEL A AND PARCEL B, AS SHOWN HEREON. PARCEL A IS A PORTION OF PLOT 69 AND PARCEL B IS A PORTION OF PLOT 69-2. PROPOSED LEASE LINES ARE NOT TO BE MISCONSTRUED AS INTERIOR LINES OF DIVISION (PROPERTY LINES).

DRAINAGE SCHEDULE

STRUCTURE	RIM	INV.(IN)	INV.(OUT)
CB 1	109.35	102.20	101.95
CB 2	107.77	103.12 (15") 103.09 (8")	103.05 (18")
CB 3	107.84		104.14
CB 4	107.77	101.67(36"-N)	101.72 (24"-E) 101.52(24"-S)
CB 5	107.23		105.05
CB 6	110.01	104.63	104.61
CB 7	110.05	105.15	105.15
DMH A	107.90	101.35(18"-E) 100.80(24"-W)	100.37 (24"-S)
DMH B	107.36	104.76	101.46
DMH C	112.54	102.72	102.64
DMH D	107.53	100.53 (24") 102.41 (18")	100.57 (24")
DMH E	107.30	100.23 (24") 102.88 (12")	100.05 (24")
DMH F	107.23	UNKNOWN (12")	103.25 (12")

EXISTING UTILITY ELEVATIONS WITHIN TRAVELLED WAYS, ARE FROM "PLAN OF LAND, BROCKTON, MASS. - TOPOGRAPHIC SURVEY" BY LINENTHAL, EISENBERG, ANDERSON, INC., DATED MARCH 6, 1985. THIS INFORMATION COULD NOT BE VERIFIED DUE TO HIGH TRAFFIC CONDITIONS.

LEGEND

- CB = CATCH BASIN
- DMH = DRAIN MAN HOLE
- PB = PULL BOX
- UP = UTILITY POLE
- EMH = ELECTRIC MAN HOLE
- LP = LIGHT POLE
- = SPEED BUMP
- = BITUMINOUS BERM
- = GRANITE CURB

ASSESSORS MAP : 143

PLOT : PORTION OF PLOT 69-2

ZONING DISTRICT : C-2 (GENERAL COMMERCIAL)

MINIMUM SETBACK REQUIREMENTS :
FRONT : 0'
SIDE : 0'
REAR : 0'

COMMUNITY PANEL No. 250261 0005 C

FLOOD INSURANCE RATE MAP DEFINES THIS AREA AS ZONE C, AREAS OF MINIMAL FLOODING.

OWNER OF RECORD: MERVIN D. GRAY, TRUSTEE OF BROCKMART REALTY TRUST

REGISTERED ARCHITECT No. 4496 COMMONWEALTH OF MASSACHUSETTS

COMMONWEALTH OF MASSACHUSETTS GRETE M. COHANNON No. 25106 REGISTERED PROFESSIONAL LAND SURVEYOR

LEASE PLAN
SHOWING EXISTING CONDITIONS
IN
BROCKTON, MASS.
PREPARED FOR
McDONALD'S CORP.

SCALE: 1"= 20' AUG. 18, 1989

J.K. HOLMGREN & ASSOCIATES, INC.
REGISTERED PROFESSIONAL ENGINEERS AND LAND SURVEYORS
1308 BELMONT STREET
BROCKTON, MASS. 02401

0 5 10 20 40 60 FEET
0 5 10 20 METERS

89-482-1

REV.	DATE	REMARKS
A	8/9/89	DRAINAGE & MISC. DETAILS

CALDORS PARKING SPACES = 220±

CALDORS

REMAINDER OF PLOT 69-2
Area = 7.370 Ac.
SEE PLAN #414 OF 1962
DEED BK. 4200, PGS 607-608

LCB w/ D.H. Fnd. Held

CAMPELLO CO-OP BANK

DRIVE-THRU

SIDE WALK

BEARING BASE OF L.C. CASE # 31252

403.82'
608.82'

Property Corner

Guard Rail

N 77° 34' 00" E
243.28'
50.00'
8.00'
23.32'
478.07'
133.47'
PROPOSED LEASE LINE
I.R. SET
20.00'

56" R.C.P.

EMH RIM=111.84

PLOT 68-4
DEED BK. 4107, PG. 68
N/F SECURITY FEDERAL SAVINGS & LOAN ASSOCIATION OF BROCKTON

3" Chain link fence

N 12° 26' 00" W
185.00'

Swale

Wheel Stops

RIGHT OF WAY - 50' WIDE
(SEE PLAN BK. 8, PG. 599 AND PLAN 98 OF 1966)

12° 26' 00" W
185.00'

205.00'

LEACH'S BROOK
SEE PLAN #415 OF 1962
SEE DEED BK. 1689, PG. 511

DMH C

PARCEL B
Area = 33,562 s.f.

N 43° 00' 00" W
N 43° 00' 00" W
238.08'

(20' WIDE) IMPROVEMENT EASEMENT

CB1

36" R.C.P.
S=0.003

PARCEL A
Area = 4,107 s.f.

S 11° 49' 50" E
205.00'
205.71'
S 11° 49' 50" E

REMAINDER OF PLOT 69
Area = 12.906 Ac.
SEE L.C. PLAN 31252 A
CERTIFICATE OF TITLE 46684
N/F GERALD D. COHEN, RICHARD B. COHEN AND HAROLD C. GARNICK

EMH RIM=111.35

CB 6 12" R.C.P. S=0.015
CB 7 12" RCP

WIRES
EMH RIM=111.24
ALL ELECTRIC MANHOLES PROVIDE SERVICE TO LIGHT POLES ONLY.

R=20.00'
A=31.42'
Sign
One way sign

R=20.00'
A=31.42'
Old light post mound

Sign

Gravel Berm

15" RCP

CB 4 S=0.046 DMH A 24" R.C.P.

S=0.039
18" R.C.P.

CB 2 8" R.C.P. S=0.03
CB 3

Sideline of Dunham St.
260.00'
D.H. Fnd.
227.75'
S 77° 34' 00" W
70.00'
720.39'
I.R. SET
20.00'
109.08
23.32'
110.24'
20.01'
Traffic Signal
S 79° 34' 00" W
830.65'
850.56'
I.R. SET
SIDEWALK

CB 5
DMH B
TMH

24" R.C.P. S=0.006
24" R.C.P. S=0.002

TELE PHONE
12" WATER
10" SEWER
SMH
CRESCENT — (PUBLIC , 50' WIDE) — STREET
18" DRAIN
8" GAS
6" GAS

DMH D
DMH E
DMH F
CB

BENCHMARK: NO. RIM DRAIN MANHOLE
ELEV. = 107.23 B.C.B.

SECURITY FEDERAL SAVINGS BANK

THE INTENT OF THIS PLAN IS TO CREATE TWO LEASABLE PARCELS, PARCEL A AND PARCEL B, AS SHOWN HEREON. PARCEL A IS A PORTION OF PLOT 69 AND PARCEL B IS A PORTION OF PLOT 69-2. PROPOSED LEASE LINES ARE NOT TO BE MISCONSTRUED AS INTERIOR LINES OF DIVISION (PROPERTY LINES).

REV.	DATE	REMARKS
A	8/9/89	DRAINAGE & MISC. DETAILS

DRAINAGE SCHEDULE

STRUCTURE	RIM	INV.(IN)	INV.(OUT)
CB 1	109.35	102.20	101.95
CB 2	107.77	103.12 (15") 103.09 (8")	103.05 (18")
CB 3	107.84		104.14
CB 4	107.77	101.67(36"-N)	101.72(24"-E) 101.52(24"-S)
CB 5	107.23		105.05
CB 6	110.01	104.63	104.61
CB 7	110.05	105.15	105.15
DMH A	107.90	101.35(18"-E) 100.80(24"-W)	100.37 (24"-S)
DMH B	107.36	104.76	101.46
DMH C	112.54	102.72	102.64
DMH D	107.53	100.53 (24") 102.41 (18")	100.57 (24")
DMH E	107.30	100.23 (24") 102.88 (12")	100.05 (24")
DMH F	107.23	UNKNOWN (12")	103.25 (12")

EXISTING UTILITY ELEVATIONS WITHIN TRAVELLED WAYS ARE FROM "PLAN OF LAND, BROCKTON, MASS. - TOPOGRAPHIC SURVEY" BY LINENTHAL, EISENBERG, ANDERSON, INC., DATED MARCH 6, 1985. THIS INFORMATION COULD NOT BE VERIFIED DUE TO HIGH TRAFFIC CONDITIONS.

LEGEND

- ⊞ = CATCH BASIN
- ○ = DRAIN MAN HOLE
- ■ = PULL BOX
- —o— = UTILITY POLE
- EMH ○ = ELECTRIC MAN HOLE
- ☼ = LIGHT POLE
- ▨ = SPEED BUMP
- = BITUMINOUS BERM
- = GRANITE CURB

ASSESSORS MAP : 143

PLOT : PORTION OF PLOT 69-2

ZONING DISTRICT : C-2 (GENERAL COMMERCIAL)

MINIMUM SETBACK REQUIREMENTS :
FRONT : 0'
SIDE : 0'
REAR : 0'

COMMUNITY PANEL No. 250261 0005 C

FLOOD INSURANCE RATE MAP DEFINES THIS AREA AS ZONE C, AREAS OF MINIMAL FLOODING.

OWNER OF RECORD: MERVIN D. GRAY, TRUSTEE OF BROCKMART REALTY TRUST

COMMONWEALTH OF MASSACHUSETTS — REGISTERED — HOWARD EINERT ANDERSON — No. 7496 — REGISTERED LAND SURVEYOR

COMMONWEALTH OF MASSACHUSETTS — GRETE M. BOHANNON — No. 26108 — REGISTERED PROFESSIONAL ENGINEER

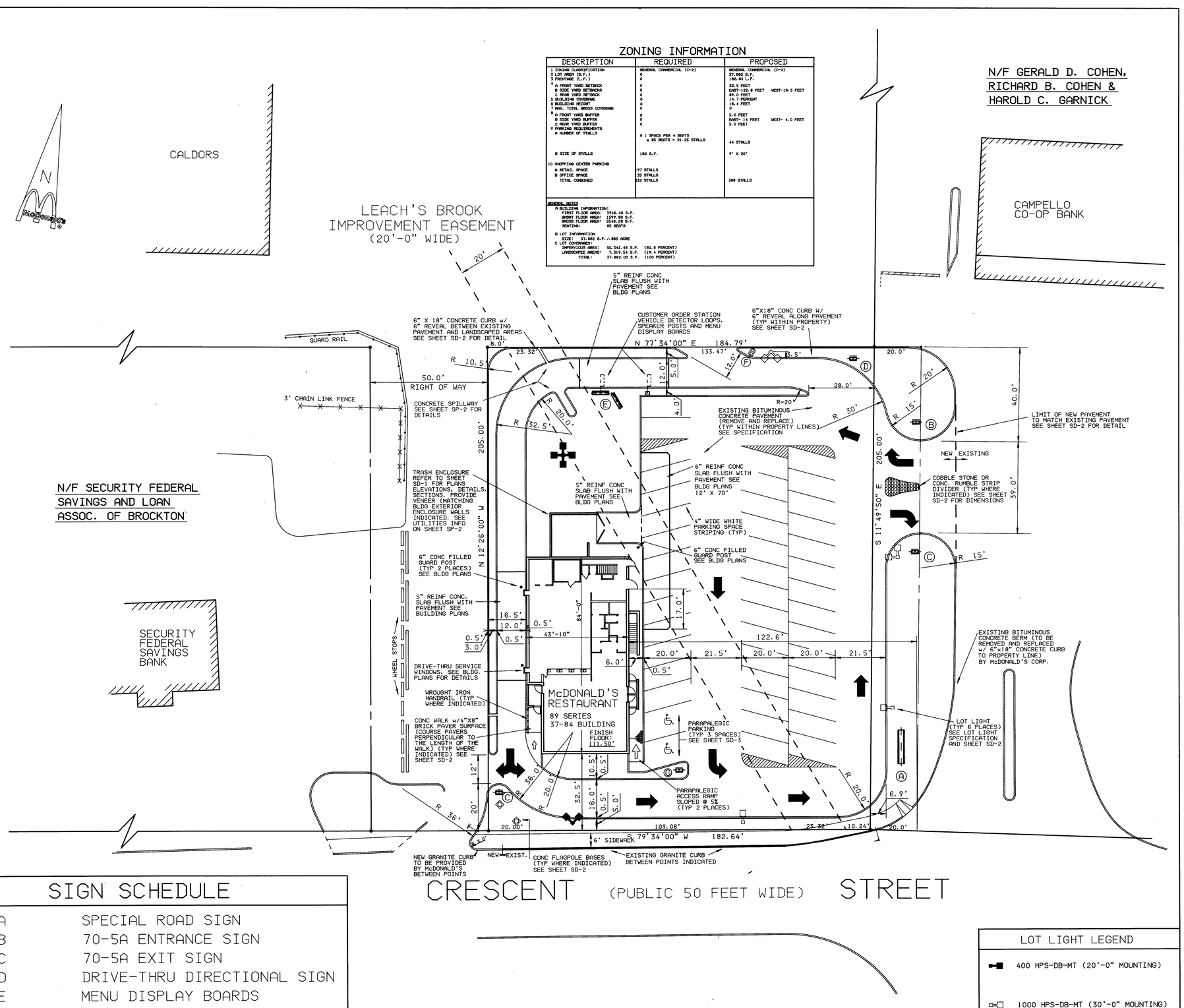
LEASE PLAN
SHOWING EXISTING CONDITIONS
IN
BROCKTON, MASS.
PREPARED FOR
McDONALD'S CORP.

SCALE: 1" = 20' · AUG. 18, 1989

J.K. HOLMGREN & ASSOCIATES, INC.
REGISTERED PROFESSIONAL ENGINEERS AND LAND SURVEYORS
1308 BELMONT STREET
BROCKTON, MASS. 02401

0 5 10 20 40 60 FEET
0 5 10 20 METERS

89-482-1



ZONING INFORMATION

DESCRIPTION	REQUIRED	PROPOSED
1 ZONING CLASSIFICATION	GENERAL COMMERCIAL (C-2)	GENERAL COMMERCIAL (C-2)
2 LOT AREA (S.F.)	0	37,682 S.F.
3 FRONTAGE (L.F.)	0	182.64 L.F.
4 A FRONT YARD SETBACK	0	32.5 FEET
B SIDE YARD SETBACKS	0	EAST-122.8 FEET WEST-16.5 FEET
C REAR YARD SETBACK	0	89.0 FEET
5 BUILDING COVERAGE	0	14.7 PERCENT
6 BUILDING HEIGHT	0	16.4 FEET
7 MAX. TOTAL GROSS COVERAGE	0	0
8 A FRONT YARD BUFFER	0	5.0 FEET
B SIDE YARD BUFFER	0	EAST- 14 FEET WEST- 4.0 FEET
C REAR YARD BUFFER	0	5.0 FEET
9 PARKING REQUIREMENTS		
A NUMBER OF STALLS	A 1 SPACE PER 4 SEATS a. 85 SEATS = 21.25 STALLS	44 STALLS
B SIZE OF STALLS	180 S.F.	9' X 20'
10 SHOPPING CENTER PARKING		
A RETAIL SPACE	97 STALLS	
B OFFICE SPACE	35 STALLS	
TOTAL COMBINED	132 STALLS	368 STALLS

GENERAL NOTES

A BUILDING INFORMATION:
FIRST FLOOR AREA: 3946.48 S.F.
BASE FLOOR AREA: 1599.80 S.F.
GROSS FLOOR AREA: 5546.28 S.F.
SEATING: 85 SEATS

B LOT INFORMATION
SIZE: 37,682 S.F./.865 ACRE

C LOT COVERAGES:
IMPERVIOUS AREAS: 30,342.46 S.F. (80.6 PERCENT)
LANDSCAPED AREAS: 7,319.54 S.F. (19.4 PERCENT)
TOTAL: 37,662.00 S.F. (100 PERCENT)

SIGN SCHEDULE

A	SPECIAL ROAD SIGN
B	70-5A ENTRANCE SIGN
C	70-5A EXIT SIGN
D	DRIVE-THRU DIRECTIONAL SIGN
E	MENU DISPLAY BOARDS
F	EXIT ONLY SIGN
G	LEFT TURN ONLY/DO NOT ENTER

LOT LIGHT LEGEND

- 400 HPS-DB-MT (20'-0" MOUNTING)
- 1000 HPS-DB-MT (30'-0" MOUNTING)

GENERAL NOTES

1. McDONALD'S ROAD SIGN AND BASE ARE BY THE SIGN CONTRACTOR. CONDUIT AND WIRING ARE BY THE GENERAL CONTRACTOR.
2. BASES, ANCHOR BOLTS, CONDUIT, AND WIRING FOR ALL OTHER SIGNS ARE BY THE GENERAL CONTRACTER.
3. 3/4" EMPTY CONDUIT TO LOCATIONS SHOWN AT THE LOT PERIMETER FOR LOT LIGHTING IS BY THE GENERAL CONTRACTOR. LIGHTING FIXTURES, BASES, POLES, CONDUIT, AND WIRING ARE BY THE OWNER/OPERATOR.
4. BASES FOR FLAGPOLES ARE BY THE GENERAL CONTRACTOR. ANCHOR BOLTS ARE BY THE FLAGPOLE SUPPLIER.
5. PROPOSED UTILITIES ARE SHOWN IN SCHEMATIC ONLY. EXACT LOCATIONS SHALL BE DETERMINED TO ALLOW FOR THE MOST ECONOMICAL INSTALLATION.
6. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES TO DETERMINE EXACT POINT OF SERVICE CONNECTION AT EXISTING UTILITY. REFER TO THE BUILDING ELECTRICAL AND PLUMBING DRAWINGS FOR UTILITY SERVICE ENTRANCE LOCATIONS, SIZES, AND CIRCUITING.
7. ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE BENCHMARK AND MUST BE VERIFIED BY THE GENERAL CONTRACTOR AT GROUNDBREAK.
8. FINISH WALK AND CURB ELEVATIONS SHALL BE 6" ABOVE FINISH PAVEMENT.
9. ALL LANDSCAPE AREAS SHALL BE ROUGH GRADED TO 6" BELOW TOP OF ALL WALKS AND CURBS. FINISH GRADING, LANDSCAPING, AND SPRINKLER SYSTEMS ARE BY THE OWNER/OPERATOR.
10. LOT LIGHTING CONCRETE FOOTINGS TO CONFORM WITH THE SOILS REPORT RECOMMENDATIONS FOR THIS PARTICULAR SITE.
11. -

PAVING SPECIFICATION
(MINIMUM 3" TOTAL COMPACTED ASPHALT THICKNESS)

MINIMUM 12" OF SAND & GRAVEL BASE COURSE, PLACED OVER THE FINE SAND SUB-BASE. THE SAND & GRAVEL IS TO HAVE A SUITABLE GRADATION TO REDUCE POTENTIAL MIXING WITH THE FINE SAND SUBBASE OR FILTER FABRIC SHOULD BE USED TO STABILIZE THE SUBBASE. A 3" THICK LAYER OF ASPHALT BASE & A 1" THICK LAYER OF ASPHALT WEARING COURSE IS TO BE PLACED FOR A TOTAL THICKNESS OF 4" AASHTO TYPE I (OR EQUIV-ALENT STATE HIGHWAY SPEC.). COMPACT THE UPPER 12" OF SUBGRADE. BASE, PAVEMENT BINDER & SURFACE COURSE TO 95% OF MAXIMUM DENSITY AS DETERMINED FOR EACH MATERIAL BY THE APPLICABLE TEST METHODS.

NOTE: McDONALD'S ENGINEER RESERVES THE RIGHT TO REQUEST A COMPACTION TEST AND/OR A CORE SAMPLE. IF TESTS PROVE CORRECT, PER ABOVE SPECIFICATION, TESTS WILL BE AT THE EXPENSE OF McDONALD'S. OTHERWISE, G.C. WILL BE CHARGED.

LOT LIGHTING RECOMMENDATION

400 & 1000 WATT HIGH PRESSURE SODIUM LUMINAIRE MOUNTED ON AN 18' & 28' STEEL POLE W/ CONCRETE BASE (20' & 30' MOUNTING HEIGHT).
FIXTURE: "RECTANGULAR SHOE BOX" SERIES RSB-100 AND 1000 HPS (AS MANUFACTURED BY SECURITY LIGHTING SYSTEMS, INC.)

NOTE: ELECTRICAL CONTRACTOR TO CIRCUIT LOT LIGHTING AS NOTED.

PARKING INFORMATION

TOTAL SPACES		
44	42	SPACES 9'-0" X 20'-0" @ 75 °
	2	SPACES 12'-0" X 20'-0" @ 75 °
	- SPACES	- X - @ - °
	- SPACES	- X - @ - °

UTILITY INFORMATION

	SIZE	TYPE	LOCATION
SANITARY SEWER			-
WATER			-
STORM SEWER			-
ELECTRIC			-
GAS			-

SURVEY INFORMATION

PREPARED BY: J.K. HOLMGREN & ASSOCIATES, INC.
1308 BELMONT STREET
BROCKTON, MASSACHUSETTS 02401

DATE: 12JUL89

LEGEND

SANITARY SEWER	S	GAS	G
WATER	W	LOT LIGHT	LP:30
STORM SEWER	D	EXISTING ELEVATION	(00.0)
ELECTRIC	E	PROPOSED ELEVATION	00.0

PLAN SCALE: 1" = 20'

STREET ADDRESS
CRESCENT STREET

CITY: BROCKTON
STATE: MASSACHUSETTS
COUNTY: PLYMOUTH COUNTY

REGIONAL DWG. NO: 89001
CORPORATE DWG. NO.: -

REV	DATE	DESCRIPTION	BY	ISSUE REF
1	09OCT89	37-84/89, CURBCUT SHIFT, PAVEMENT SPEC.	JJC	-1-

REGISTERED LANDSCAPE ARCHITECT — No. 4496 — HOOVER, MARK J. — COMMONWEALTH OF MASSACHUSETTS

PLAN APPROVALS

SIGNATURE (2 REQUIRED)	DATE
REGIONAL MGR.	-
CONST. MGR.	-
OPERATIONS DEPT.	-
REAL ESTATE DEPT.	-

CO-SIGN SIGNATURES

CONTRACTOR	-
OWNER	-

STATUS	DATE	BY
PRELIMINARY		---
PLAN CHECKED		---
AS-BUILT		---

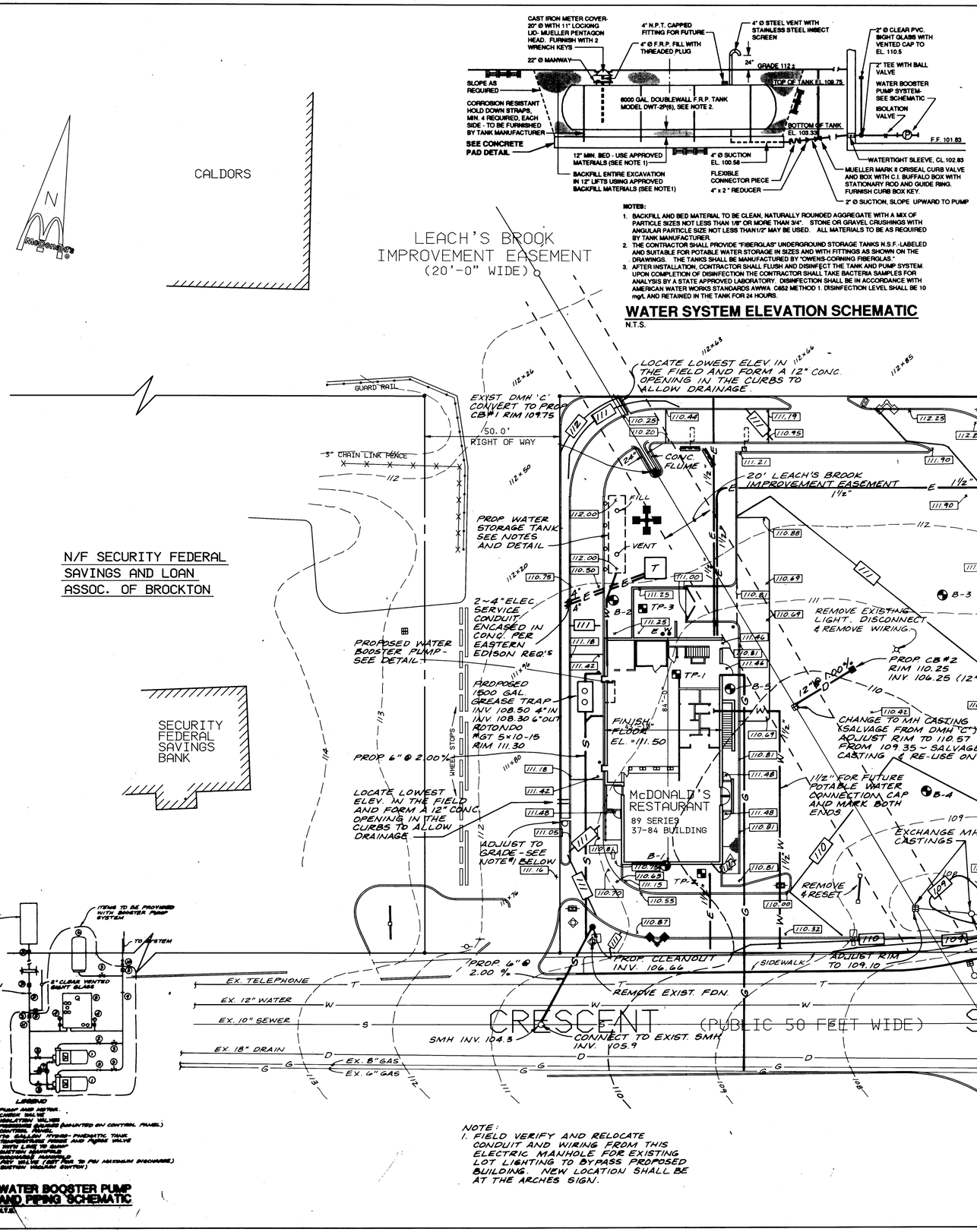
THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

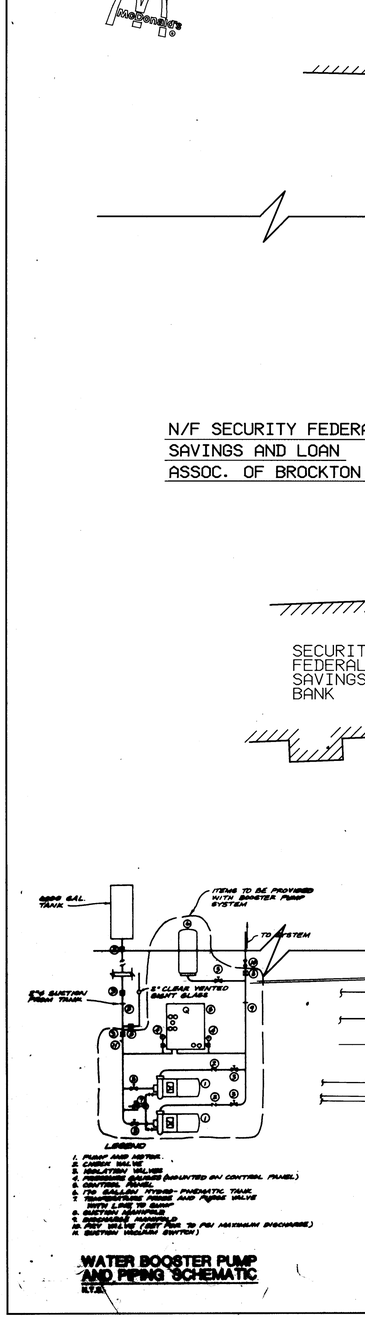
McDonald's®

OFFICE: BOSTON
ADDRESS: 690 CANTON STREET WESTWOOD, MA 02090

SP-1

CDOOS (OSMAY89)


CALDORS
N/F SECURITY FEDERAL SAVINGS AND LOAN ASSOC. OF BROCKTON
SECURITY FEDERAL SAVINGS BANK
N/F GERALD D. COHEN, RICHARD B. COHEN & HAROLD C. GARNICK
CAMPELLO CO-OP BANK
LEACH'S BROOK IMPROVEMENT EASEMENT (20'-0" WIDE)
CRESCENT (PUBLIC 50 FEET WIDE) STREET
McDONALD'S RESTAURANT
89 SERIES
37-84 BUILDING
50.0' RIGHT OF WAY
GUARD RAIL
3" CHAIN LINK FENCE
CONC. FLUME
20' LEACH'S BROOK IMPROVEMENT EASEMENT
PROP. WATER STORAGE TANK SEE NOTES AND DETAIL
2-4" ELEC. SERVICE CONDUIT ENCASED IN CONC. PER EASTERN EDISON REQ'S
PROPOSED WATER BOOSTER PUMP - SEE DETAIL
PROPOSED 1500 GAL. GREASE TRAP INV. 108.50 4"IN INV. 108.30 6"OUT ROTONDO MGT 5x10-15 RIM 111.30
PROP. 6" @ 2.00%
LOCATE LOWEST ELEV. IN THE FIELD AND FORM A 12" CONC. OPENING IN THE CURBS TO ALLOW DRAINAGE
ADJUST TO GRADE - SEE NOTE #1 BELOW
LOCATE LOWEST ELEV. IN THE FIELD AND FORM A 12" CONC. OPENING IN THE CURBS TO ALLOW DRAINAGE.
EXIST. DMH 'C' CONVERT TO PROP. CB#1 RIM 109.75
REMOVE EXISTING LIGHT. DISCONNECT & REMOVE WIRING.
PROP. CB#2 RIM 110.25 INV. 106.25 (12")
CHANGE TO MH CASTING (SALVAGE FROM DMH "C") ADJUST RIM TO 110.57 FROM 109.35 - SALVAGE EXIST. CASTING & RE-USE ON CB#2
1½" FOR FUTURE POTABLE WATER CONNECTION CAP AND MARK BOTH ENDS
EXCHANGE MH & CB CASTINGS
REMOVE & RESET
MATCH EXISTING ELEVATIONS
ADJUST RIM TO 109.10
ADJUST RIM TO 108.75
PROP. CLEANOUT INV. 106.66
REMOVE EXIST. FDN.
SMH INV. 104.3
CONNECT TO EXIST. SMH INV. 105.9
SIDEWALK
TRAFFIC LIGHT
BERM
WHEEL STOPS
FILL
VENT
TP-1
TP-2
TP-3
B-1
B-2
B-3
B-4
B-5
EX. TELEPHONE
EX. 12" WATER
EX. 10" SEWER
EX. 18" DRAIN
EX. 8" GAS
EX. 6" GAS


CAST IRON METER COVER- 20" Ø WITH 11" LOCKING LID- MUELLER PENTAGON HEAD. FURNISH WITH 2 WRENCH KEYS
22' Ø MANWAY
4" N.P.T. CAPPED FITTING FOR FUTURE
4" Ø F.R.P. FILL WITH THREADED PLUG
4" Ø STEEL VENT WITH STAINLESS STEEL INSECT SCREEN
24" GRADE 112±
TOP OF TANK EL. 108.75
2" Ø CLEAR PVC. SIGHT GLASS WITH VENTED CAP TO EL. 110.5
2" TEE WITH BALL VALVE
WATER BOOSTER PUMP SYSTEM- SEE SCHEMATIC
ISOLATION VALVE
F.F. 101.83
SLOPE AS REQUIRED
CORROSION RESISTANT HOLD DOWN STRAPS, MIN. 4 REQUIRED, EACH SIDE - TO BE FURNISHED BY TANK MANUFACTURER
SEE CONCRETE PAD DETAIL
6000 GAL. DOUBLEWALL F.R.P. TANK MODEL DWT-2P(6), SEE NOTE 2.
BOTTOM OF TANK EL. 103.33
12" MIN. BED - USE APPROVED MATERIALS (SEE NOTE 1)
BACKFILL ENTIRE EXCAVATION IN 12" LIFTS USING APPROVED BACKFILL MATERIALS (SEE NOTE 1)
4" Ø SUCTION EL. 100.58
FLEXIBLE CONNECTOR PIECE
4" x 2" REDUCER
WATERTIGHT SLEEVE. CL 102.83
MUELLER MARK II ORISEAL CURB VALVE AND BOX WITH C.I. BUFFALO BOX WITH STATIONARY ROD AND GUIDE RING. FURNISH CURB BOX KEY.
2" Ø SUCTION, SLOPE UPWARD TO PUMP

NOTES:
1. BACKFILL AND BED MATERIAL TO BE CLEAN, NATURALLY ROUNDED AGGREGATE WITH A MIX OF PARTICLE SIZES NOT LESS THAN 1/8" OR MORE THAN 3/4". STONE OR GRAVEL CRUSHINGS WITH ANGULAR PARTICLE SIZE NOT LESS THAN 1/2" MAY BE USED. ALL MATERIALS TO BE AS REQUIRED BY TANK MANUFACTURER.
2. THE CONTRACTOR SHALL PROVIDE "FIBERGLAS" UNDERGROUND STORAGE TANKS M.S.F.-LABELED AND SUITABLE FOR POTABLE WATER STORAGE IN SIZES AND WITH FITTINGS AS SHOWN ON THE DRAWINGS. THE TANKS SHALL BE MANUFACTURED BY "OWENS-CORNING FIBERGLAS."
3. AFTER INSTALLATION, CONTRACTOR SHALL FLUSH AND DISINFECT THE TANK AND PUMP SYSTEM. UPON COMPLETION OF DISINFECTION THE CONTRACTOR SHALL TAKE BACTERIA SAMPLES FOR ANALYSIS BY A STATE APPROVED LABORATORY. DISINFECTION SHALL BE IN ACCORDANCE WITH AMERICAN WATER WORKS STANDARDS AWWA C652 METHOD 1. DISINFECTION LEVEL SHALL BE 10 mg/L AND RETAINED IN THE TANK FOR 24 HOURS.

WATER SYSTEM ELEVATION SCHEMATIC
N.T.S.

6000 GAL. TANK
ITEMS TO BE PROVIDED WITH BOOSTER PUMP SYSTEM
TO SYSTEM
5" SUCTION FROM TANK
5" CLEAR VENTED SIGHT GLASS
LEGEND
1. PUMP AND MOTOR
2. CASING VALVE
3. ISOLATION VALVES
4. PRESSURE GAUGES (MOUNTED ON CONTROL PANEL)
5. CONTROL PANEL
6. 70 GALLON HYDRO-PNEUMATIC TANK
7. THERMOSTATIC FENCE AND PURGE VALVE WITH LINE TO SUMP
8. ELECTRICAL SERVICE
9. PRESSURE TRANSDUCER
10. PIT SLAB (LEAST 6" ABOVE TO PREVENT SUBMERGENCE)
11. SUCTION VACUUM SWITCH)

WATER BOOSTER PUMP AND PIPING SCHEMATIC
N.T.S.

NOTE:
1. FIELD VERIFY AND RELOCATE CONDUIT AND WIRING FROM THIS ELECTRIC MANHOLE FOR EXISTING LOT LIGHTING TO BYPASS PROPOSED BUILDING. NEW LOCATION SHALL BE AT THE ARCHES SIGN.

GENERAL NOTES

1. McDONALD'S ROAD SIGN AND BASE ARE BY THE SIGN CONTRACTOR. CONDUIT AND WIRING ARE BY THE GENERAL CONTRACTOR.
2. BASES, ANCHOR BOLTS, CONDUIT, AND WIRING FOR ALL OTHER SIGNS ARE BY THE GENERAL CONTRACTER.
3. 3/4" EMPTY CONDUIT TO LOCATIONS SHOWN AT THE LOT PERIMETER FOR LOT LIGHTING IS BY THE GENERAL CONTRACTOR. LIGHTING FIXTURES, BASES, POLES, CONDUIT, AND WIRING ARE BY THE OWNER/OPERATOR.
4. BASES FOR FLAGPOLES ARE BY THE GENERAL CONTRACTOR. ANCHOR BOLTS ARE BY THE FLAGPOLE SUPPLIER.
5. PROPOSED UTILITIES ARE SHOWN IN SCHEMATIC ONLY. EXACT LOCATIONS SHALL BE DETERMINED TO ALLOW FOR THE MOST ECONOMICAL INSTALLATION.
6. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES TO DETERMINE EXACT POINT OF SERVICE CONNECTION AT EXISTING UTILITY. REFER TO THE BUILDING ELECTRICAL AND PLUMBING DRAWINGS FOR UTILITY SERVICE ENTRANCE LOCATIONS, SIZES, AND CIRCUITING.
7. ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE BENCHMARK AND MUST BE VERIFIED BY THE GENERAL CONTRACTOR AT GROUNDBREAK.
8. FINISH WALK AND CURB ELEVATIONS SHALL BE 6" ABOVE FINISH PAVEMENT.
9. ALL LANDSCAPE AREAS SHALL BE ROUGH GRADED TO 6" BELOW TOP OF ALL WALKS AND CURBS. FINISH GRADING, LANDSCAPING, AND SPRINKLER SYSTEMS ARE BY THE OWNER/OPERATOR.
10. LOT LIGHTING CONCRETE FOOTINGS TO CONFORM WITH THE SOILS REPORT RECOMMENDATIONS FOR THIS PARTICULAR SITE.
11. -

REV	DATE	DESCRIPTION	BY	ISSUE REF
1	07OCT89	37-84/89, CURBCUT SHIFT, PAVEMENT SPEC.	JJC	---
2	10/26/89	REGRADE REVISED CURBCUT	AFB	

PAVING SPECIFICATION
(MINIMUM 3" TOTAL COMPACTED ASPHALT THICKNESS)

MINIMUM 12" OF SAND & GRAVEL BASE COURSE, PLACED OVER THE FINE SAND SUB-BASE. THE SAND & GRAVEL IS TO HAVE A SUITABLE GRADATION TO REDUCE POTENTIAL MIXING WITH THE FINE SAND SUBBASE OR FILTER FABRIC SHOULD BE USED TO STABILIZE THE SUBBASE. A 3" THICK LAYER OF ASPHALT BASE & A 1" THICK LAYER OF ASPHALT WEARING COURSE IS TO BE PLACED FOR A TOTAL THICKNESS OF 4" AASHTO TYPE I (OR EQUIVALENT STATE HIGHWAY SPEC.). COMPACT THE UPPER 12" OF SUBGRADE, BASE, PAVEMENT BINDER & SURFACE COURSE TO 95% OF MAXIMUM DENSITY AS DETERMINED FOR EACH MATERIAL BY THE APPLICABLE TEST METHODS.

NOTE: McDONALD'S ENGINEER RESERVES THE RIGHT TO REQUEST A COMPACTION TEST AND/OR A CORE SAMPLE. IF TESTS PROVE CORRECT, PER ABOVE SPECIFICATION, TESTS WILL BE AT THE EXPENSE OF McDONALD'S. OTHERWISE, O.C. WILL BE CHARGED.

LOT LIGHTING RECOMMENDATION

400 & 1000 WATT HIGH PRESSURE SODIUM LUMINAIRE MOUNTED ON AN 18' & 28' STEEL POLE W/ CONCRETE BASE (20' & 30' MOUNTING HEIGHT).
FIXTURE: "RECTANGULAR SHOE BOX" SERIES RSB-400 AND 1000 HPS (AS MANUFACTURED BY SECURITY LIGHTING SYSTEMS, INC.)

NOTE: ELECTRICAL CONTRACTOR TO CIRCUIT LOT LIGHTING AS NOTED.

PARKING INFORMATION

TOTAL SPACES		
44	42	SPACES 9'-0" X 20'-0" @ 75 °
	2	SPACES 12'-0" X 20'-0" @ 75 °
	-	SPACES - X - @ - °
	-	SPACES - X - @ - °

UTILITY INFORMATION

	SIZE	TYPE	LOCATION
SANITARY SEWER			-
WATER			-
STORM SEWER			-
ELECTRIC			-
GAS			-

GRADING AND UTILITIES PLAN

PREPARED BY: SEA CONSULTANTS INC.
485 MASSACHUSETTS AVENUE
CAMBRIDGE, MASSACHUSETTS 02139-4018

DATE: 00OCT89

LEGEND

SANITARY SEWER	S	GAS	G
WATER	W	LOT LIGHT	LP:30
STORM SEWER	D	EXISTING ELEVATION	(00.0)
ELECTRIC	E	PROPOSED ELEVATION	00.0

PLAN SCALE: 1" = 20'

STREET ADDRESS
CRESCENT STREET

CITY: BROCKTON
STATE: MASSACHUSETTS
COUNTY: PLYMOUTH COUNTY

REGIONAL DWG. NO: 89001
CORPORATE DWG. NO.: -

REGISTERED LANDSCAPE ARCHITECT No. 4496 ANDOVER, MASS. COMMONWEALTH OF MASSACHUSETTS

PLAN APPROVALS

SIGNATURE (2 REQUIRED)	DATE
REGIONAL MGR.	-
CONST. MGR.	-
OPERATIONS DEPT.	-
REAL ESTATE DEPT.	-
CONTRACTOR	-
OWNER	-

CO-SIGN SIGNATURES

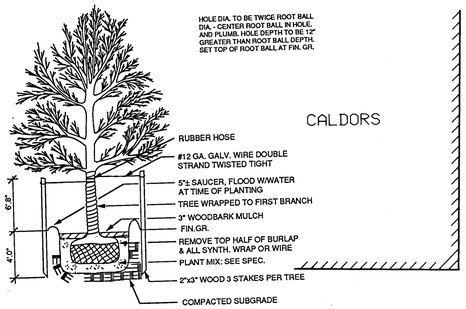
STATUS	DATE	BY
PRELIMINARY		---
PLAN CHECKED		---
AS-BUILT		---

McDonald's®

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

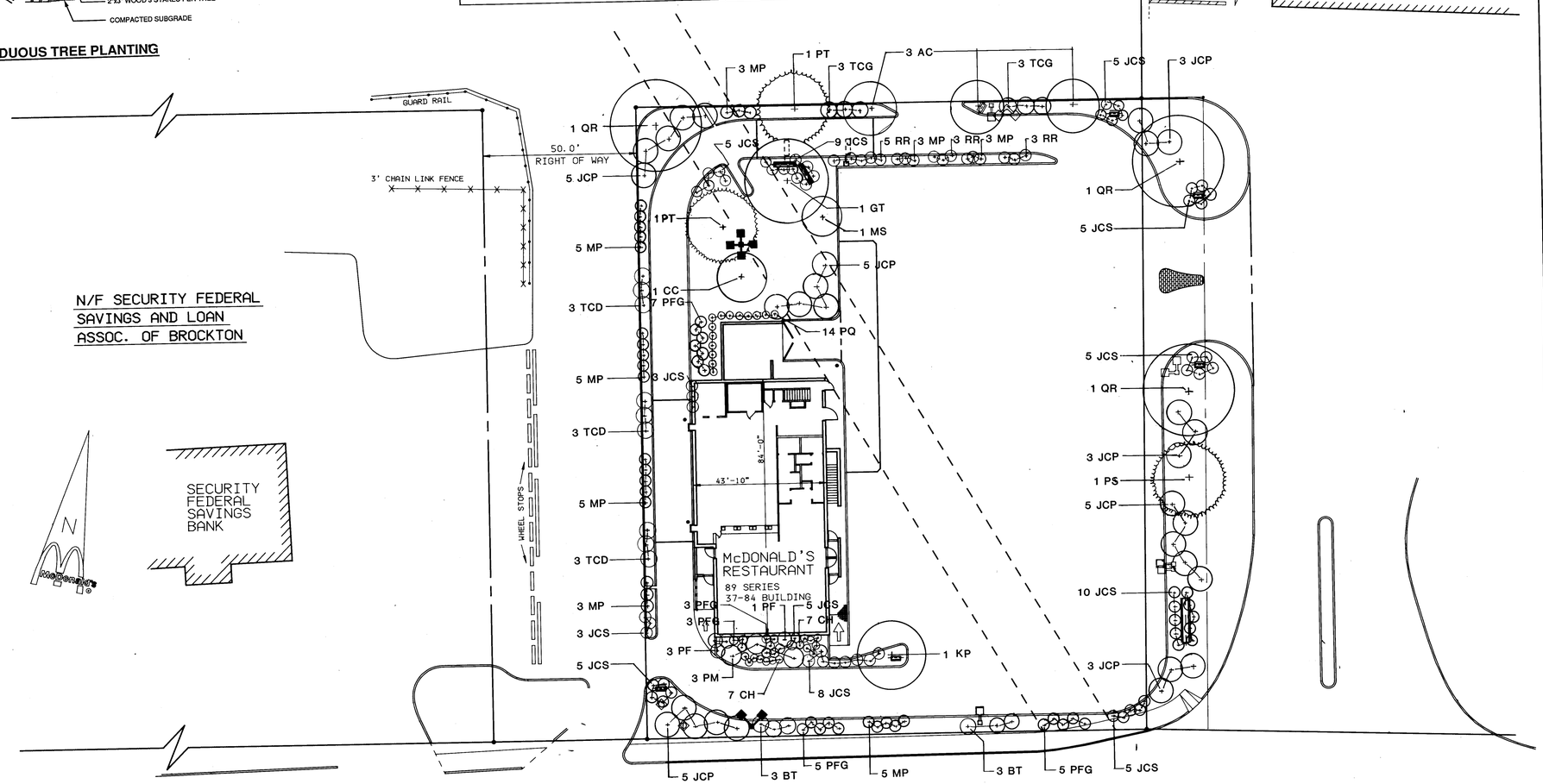
OFFICE: BOSTON
ADDRESS: 890 CANTON STREET WESTWOOD, MA 02090

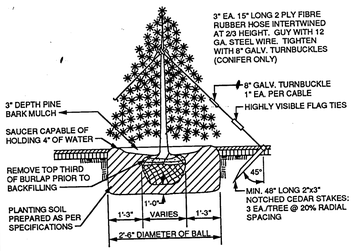
SP-2


HOLE DIA. TO BE TWICE ROOT BALL DIA. - CENTER ROOT BALL IN HOLE. AND PLUMB. HOLE DEPTH TO BE 12" GREATER THAN ROOT BALL DEPTH. SET TOP OF ROOT BALL AT FIN. GR.
CALDORS
RUBBER HOSE
#12 GA. GALV. WIRE DOUBLE STRAND TWISTED TIGHT
5"± SAUCER, FLOOD WWATER AT TIME OF PLANTING
TREE WRAPPED TO FIRST BRANCH
3" WOODBARK MULCH
FIN.GR.
REMOVE TOP HALF OF BURLAP & ALL SYNTH. WRAP OR WIRE
PLANT MIX: SEE SPEC.
2"x3" WOOD 3 STAKES PER TREE
COMPACTED SUBGRADE
6'-8"
4'-0"

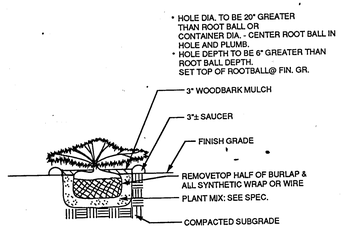
DECIDUOUS TREE PLANTING
N.T.S.

PLANTING SCHEDULE					
SYMBOL	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	COND.
AC	3	Acer rubrum var. "Columnare"	Columnar Red Maple	2 1/2"-3" Cal.	B & B
BT	6	Berberis thunbergii var.	Japanese Barberry	2'-2 1/2' Spd.	B & B or C.G.
CC	1	Continus coggygria "Daydream	Common Smoketree	7'-8' Ht.	B & B
CH	14	Cotoneaster horizontalis	Rockspray Cotoneater	12"-15" Spd.	C.G.
GT	1	Gleditsia triacanthos inermis var. "Halka"	Thornless Honeylocust	2 1/2"-3" Cal.	B & B
JCP	29	Juniperus chinensis var. "Pfitzeriana"	Pfitzer Juniper	18"-24" Spd.	B & B or C.G.
JCS	68	Juniperus chinensis var. "Sea Spray"	Chinese Juniper	15"-18" Spd.	C.G.
KP	1	Koelreuteria paniculata	Goldenraintree	2"-2 1/2" Cal.	B &B
MP	32	Myrica pensylvanica	Bayberry	18"-24" Ht.	C.G.
MS	1	Magnolia stellata	Star Magnolia	7'-8' Ht.	B & B
PQ	14	Parthnocissus quinquefolia	Virginia Creeper	1 Gal.	C.G.
PF	4	Pieris floribunda var. "Brower's Beauty"	Mountain Andromeda	2'-2 1/2' Ht.	B & B
PM	3	Pinus mugo var. "Compacta"	Compact Mugo Pine	2'-2 1/2' Ht.	B & B
PS	1	Pinus sylvestris	Scotch Pine	7'-8' Ht.	B & B
PT	2	Pinus thumbergiana	Black Pine	7'-8' Ht.	B & B
PFG	23	Potentilla fuiticosa var. "Goldfinger"	Bush Cinquefoil	18"-24" Spd.	C.G.
OR	3	Quercus rubra	Red Oak	2 1/2"-3" Cal.	B & B
RR	11	Rosa rugosa var's. "Alba" and "Rosa"	Rugosa Rose	2'-3' Ht.	C.G.
TCD	9	Taxus cuspidata var. "Densa"	Dense Speading Yew	2'-2 1/2' Spd.	B & B
TCG	6	Taxus cuspidata var. "Greenwave"	Greenwave Yew	2'-2 1/2' Spd.	B & B




3" EA. 15" LONG 2 PLY FIBRE RUBBER HOSE INTERTWINED AT 2/3 HEIGHT. GUY WITH 12 GA. STEEL WIRE. TIGHTEN WITH 8" GALV. TURNBUCKLES (CONIFER ONLY)
8" GALV. TURNBUCKLE 1" EA. PER CABLE
HIGHLY VISIBLE FLAG TIES
3" DEPTH PINE BARK MULCH
SAUCER CAPABLE OF HOLDING 4" OF WATER
REMOVE TOP THIRD OF BURLAP PRIOR TO BACKFILLING
45°
MIN. 48" LONG 2"x3" NOTCHED CEDAR STAKES: 3 EA./TREE @ 20% RADIAL SPACING
PLANTING SOIL PREPARED AS PER SPECIFICATIONS
1'-0"
1'-3"
VARIES
1'-3"
2'-6" DIAMETER OF BALL

EVERGREEN TREE DETAIL
N.T.S.


* HOLE DIA. TO BE 20" GREATER THAN ROOT BALL OR CONTAINER DIA. - CENTER ROOT BALL IN HOLE AND PLUMB.
* HOLE DEPTH TO BE 6" GREATER THAN ROOT BALL DEPTH. SET TOP OF ROOTBALL@ FIN. GR.
3" WOODBARK MULCH
3"± SAUCER
FINISH GRADE
REMOVETOP HALF OF BURLAP & ALL SYNTHETIC WRAP OR WIRE
PLANT MIX: SEE SPEC.
COMPACTED SUBGRADE

SHRUB PLANTING
N.T.S.

Notes :

1. All soil surfaces not covered by plantings or the mulch bed surrounding plantings shall be loamed and seeded.
2. Unless otherwise specified, all current standard specifications by the American Association of Nursurymen and/or the American Association of Landscape Contractors shall govern for this project.

GENERAL NOTES

1. McDONALD'S ROAD SIGN AND BASE ARE BY THE SIGN CONTRACTOR. CONDUIT AND WIRING ARE BY THE GENERAL CONTRACTOR.
2. BASES, ANCHOR BOLTS, CONDUIT, AND WIRING FOR ALL OTHER SIGNS ARE BY THE GENERAL CONTRACTER.
3. 3/4" EMPTY CONDUIT TO LOCATIONS SHOWN AT THE LOT PERIMETER FOR LOT LIGHTING IS BY THE GENERAL CONTRACTOR. LIGHTING FIXTURES, BASES, POLES, CONDUIT, AND WIRING ARE BY THE OWNER/OPERATOR.
4. BASES FOR FLAGPOLES ARE BY THE GENERAL CONTRACTOR. ANCHOR BOLTS ARE BY THE FLAGPOLE SUPPLIER.
5. PROPOSED UTILITIES ARE SHOWN IN SCHEMATIC ONLY. EXACT LOCATIONS SHALL BE DETERMINED TO ALLOW FOR THE MOST ECONOMICAL INSTALLATION.
6. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES TO DETERMINE EXACT POINT OF SERVICE CONNECTION AT EXISTING UTILITY. REFER TO THE BUILDING ELECTRICAL AND PLUMBING DRAWINGS FOR UTILITY SERVICE ENTRANCE LOCATIONS, SIZES, AND CIRCUITING.
7. ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE BENCHMARK AND MUST BE VERIFIED BY THE GENERAL CONTRACTOR AT GROUNDBREAK.
8. FINISH WALK AND CURB ELEVATIONS SHALL BE 6" ABOVE FINISH PAVEMENT.
9. ALL LANDSCAPE AREAS SHALL BE ROUGH GRADED TO 6" BELOW TOP OF ALL WALKS AND CURBS. FINISH GRADING, LANDSCAPING, AND SPRINKLER SYSTEMS ARE BY THE OWNER/OPERATOR.
10. LOT LIGHITNG CONCRETE FOOTINGS TO CONFORM WITH THE SOILS REPORT RECOMMENDATIONS FOR THIS PARTICULAR SITE.
11. -

PAVING SPECIFICATION
(MINIMUM 3" TOTAL COMPACTED ASPHALT THICKNESS)

MINIMUM 12" OF SAND & GRAVEL BASE COURSE, PLACED OVER THE FINE SAND SUB-BASE. THE SAND & GRAVEL IS TO HAVE A SUITABLE GRADATION TO REDUCE POTENTIAL MIXING WITH THE FINE SAND SUBBASE OR FILTER FABRIC SHOULD BE USED TO STABILIZE THE SUBBASE. A 3" THICK LAYER OF ASPHALT BASE & A 1" THICK LAYER OF ASPHALT WEARING COURSE IS TO BE PLACED FOR A TOTAL THICKNESS OF 4" AASHTO TYPE I (OR EQUIVALENT STATE HIGHWAY SPEC.). COMPACT THE UPPER 12" OF SUBGRADE, BASE, PAVEMENT BINDER & SURFACE COURSE TO 95% OF MAXIMUM DENSITY AS DETERMINED FOR EACH MATERIAL BY THE APPLICABLE TEST METHODS.

NOTE: McDONALD'S ENGINEER RESERVES THE RIGHT TO REQUEST A COMPACTION TEST AND/OR A CORE SAMPLE. IF TESTS PROVE CORRECT, PER ABOVE SPECIFICATION, TESTS WILL BE AT THE EXPENSE OF McDONALD'S. OTHERWISE, O.C. WILL BE CHARGED.

LOT LIGHTING RECOMMENDATION

400 & 1000 WATT HIGH PRESSURE SODIUM LUMINAIRE MOUNTED ON AN 18' & 28' STEEL POLE W/ CONCRETE BASE (20' & 30' MOUNTING HEIGHT).
FIXTURE: "RECTANGULAR SHOE BOX" SERIES RSB-400 AND 1000 HPS (AS MANUFACTURED BY SECURITY LIGHTING SYSTEMS, INC.)

NOTE: ELECTRICAL CONTRACTOR TO CIRCUIT LOT LIGHTING AS NOTED.

PARKING INFORMATION

TOTAL SPACES		
44	42	SPACES 9'-0" X 20'-0" @ 75 °
	2	SPACES 12'-0" X 20'-0" @ 75 °
	-	SPACES - X - @ - °
	-	SPACES - X - @ - °

UTILITY INFORMATION

	SIZE	TYPE	LOCATION
SANITARY SEWER			-
WATER			-
STORM SEWER			-
ELECTRIC			-
GAS			-

LANDSCAPE PLAN

PREPARED BY: SEA CONSULTANTS INC.
485 MASSACHUSETTS AVENUE
CAMBRIDGE, MASSACHUSETTS 02139-4018

DATE: 000CT89

LEGEND

SANITARY SEWER	S	GAS	G
WATER	W	LOT LIGHT	LP:30
STORM SEWER	D	EXISTING ELEVATION	(00.0)
ELECTRIC	E	PROPOSED ELEVATION	00.0

PLAN SCALE: 1" = 20'

STREET ADDRESS
CRESCENT STREET

CITY: BROCKTON
STATE: MASSACHUSETTS
COUNTY: PLYMOUTH COUNTY

REGIONAL DWG. NO: 89001
CORPORATE DWG. NO.: -

REV	DATE	DESCRIPTION	BY	ISSUE REF
1	09OCT89	37-84/89, CURBCUT SHIFT, PAVEMENT SPEC.	JJC	—'—

PAUL J. SHOWSTEAD No. 29622 REGISTERED PROFESSIONAL ENGINEER COMMONWEALTH OF MASSACHUSETTS

McDonald's®

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

BOSTON
OFFICE
690 CANTON STREET WESTWOOD, MA 02090
ADDRESS

PLAN APPROVALS

SIGNATURE (2 REQUIRED)	DATE
REGIONAL MGR.	
CONST. MGR.	
OPERATIONS DEPT.	
REAL ESTATE DEPT.	

CO-SIGN SIGNATURES

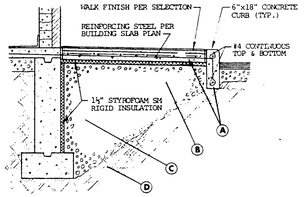
CONTRACTOR	
OWNER	

STATUS	DATE	BY
PRELIMINARY		---
PLAN CHECKED		---
AS-BUILT		---

REGISTERED LANDSCAPE ARCHITECT No. 449 COMMONWEALTH OF MASSACHUSETTS

SP-3

MEMBER (MCDONALD'S)



(A) CONCRETE WALKS AND CURBS: Pour with 3500 psi air-entrained concrete having 1" max. coarse aggregate. Maximum allowable slump will be 4". An air-entraining admixture shall be used at the mixer to provide an air content of 5½% with a tolerance of plus or minus ½%. Cleavage joints of premolded material shall be provided between new concrete and other concrete pavement or structures, and also not more than 20' apart in walks. Crack control score lines shall be provided at 5' centers on concrete walks and curbs. Edges of walks, score lines, and joints shall be rounded ¼". Walks shall be lightly broomed and shall be moist-cured as specified.

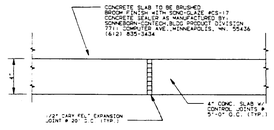
(B) DRAINAGE FILL: Washed, uniformly graded mixture of crushed stone, or crushed or uncrushed gravel, with 100% passing a 1½" sieve and not more than 5% passing a No. 4 sieve. Place material in equal lifts not more than 6" nor less than 3" each in compacted thickness.

(C) BACKFILL AND FILL MATERIAL: Satisfactory soil material for backfill and fill shall be free of rock or gravel larger than 2" in any dimension, debris, waste, frozen material, vegetable, and any other deleterious matter. Place backfill and fill material in layers not more than 8" in loose depth for material compacted by heavy equipment, and not more than 4" loose depth for material compacted by hand operated equipment. Compact each layer of backfill and fill material to no less than 95% maximum dry density.

(D) SUBGRADE PREPARATION: Compact the top 6" of subgrade soils to not less than 95% maximum dry density for soils which exhibit a well-defined moisture density relationship as determined in accordance with ASTM D1557, and to not less than 90% relative dry density for soils which do not exhibit a well-defined moisture density relationship as determined in accordance with ASTM D2049.

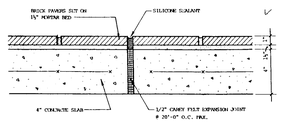
WALK DETAIL

NO SCALE


CONCRETE SLAB TO BE BROOM-FINISH WITH SONO-SLATE MCS-17 CONCRETE SEALER AS MANUFACTURED BY SYNTHETIC INDUSTRIES, INC. BUILDING PRODUCTS DIVISION 7044 COMMERCE AVE., MINNEAPOLIS, MN. 55436 (612) 835-3434
½" CLEAN FELT EXPANSION JOINT @ 20' O.C. (TYP.)
4" CONC. SLAB W/ CONTROL JOINTS @ 5'-0" O.C. (TYP.)

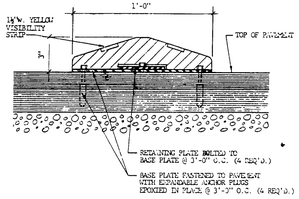
SIDEWALK TREATMENT DETAILS

BRUSHED CONCRETE
SCALE: 1½"=1'0"



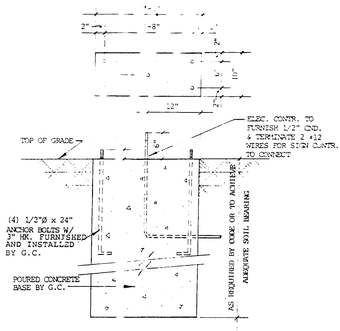
WALK FINISH: BRICK PAVERS

SCALE: 1½" =1'0"


1'-0"
1½W. YELLOW VISIBILITY STRIP
TOP OF PAVEMENT
RETAINING PLATE (BOLTED TO BASE PLATE @ 3'-0" O.C. (4 REQ'D.)
BASE PLATE FASTENED TO PAVEMENT WITH EXPANDABLE ANCHOR PLUGS EPOXIED IN PLACE @ 3'-0" O.C. (4 REQ'D.)

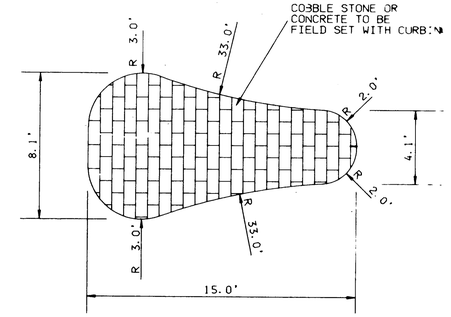
RUBBER SPEED BUMP DETAIL

SCALE: 1½" = 1'0"


2"
8"
12"
ELEC. CONTR. TO FURNISH 1/2" CND. & TERMINATE 2 #12 WIRES FOR SIGN CONTR. TO CONNECT
TOP OF GRADE
(4) 1/2"Ø x 24" ANCHOR BOLTS W/ 3" HK. FURNISHED AND INSTALLED BY G.C.
POURED CONCRETE BASE BY G.C.
AS REQUIRED BY CODE OR TO ACHIEVE ADEQUATE SOIL BEARING

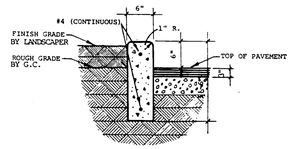
ENTRANCE & EXIT SIGN BASE

SCALE: 3/4"=1'0"



RUMBLE STRIP DIVIDER

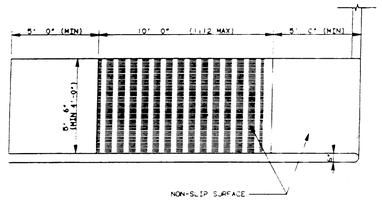
SCALE: 1/4"=1'-0"



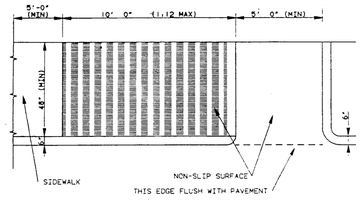
NOTE:
PROVIDE EXPANSION JOINTS @ 20'-0" O.C. (MAX.).

6"x18" CONCRETE CURB

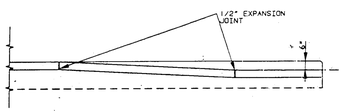
SCALE: 3/4"=1'0"



MID WALK RAMP CONDITION



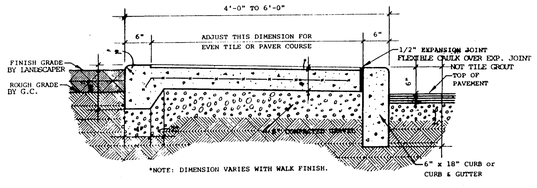
END RAMP CONDITION



RAMP SECTION

HANDICAP RAMP DETAILS

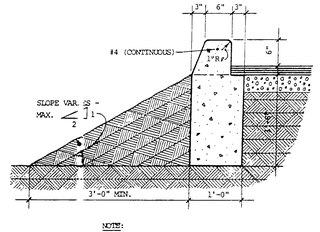
SCALE: 1/4" = 1'0"


4'-0" TO 6'-0"
6"
ADJUST THIS DIMENSION FOR EVEN TILE OR PAVER COURSE
6"
1/2" EXPANSION JOINT FLEXIBLE CAULK OVER EXP. JOINT NOT TILE GRUT
FINISH GRADE BY LANDSCAPER
ROUGH GRADE BY G.C.
TOP OF PAVEMENT
4" CONCRETE SLAB
6" x 18" CURB or CURB & GUTTER
*NOTE: DIMENSION VARIES WITH WALK FINISH.

4'to 6' SIDEWALK

(LANDSCAPE/WALK/PAVEMENT) -

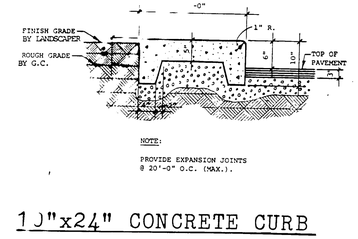
SCALE: 3/4"=1'0"



NOTE:
PROVIDE EXPANSION JOINTS @ 20'-0" O.C. (MAX.).

CURB AT TOP OF SLOPE

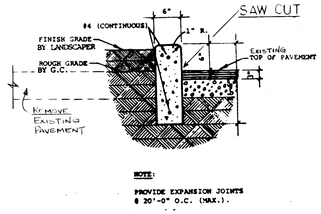
SCALE: 3/4"=1'0"



NOTE:
PROVIDE EXPANSION JOINTS @ 20'-0" O.C. (MAX.).

10"x24" CONCRETE CURB

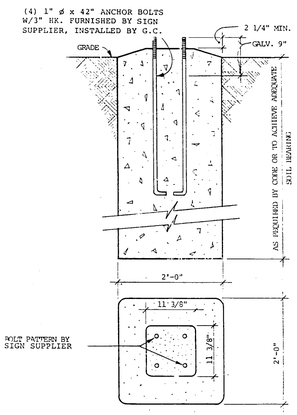
SCALE: 3/4"=1'0"



NOTE:
PROVIDE EXPANSION JOINTS @ 20'-0" O.C. (MAX.).

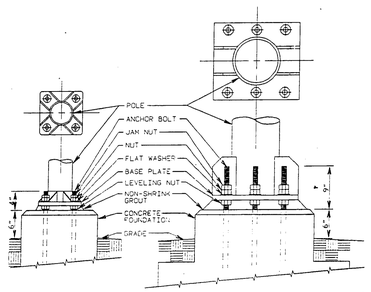
6" X 18" CONCRETE PROPERTY LINE CURB

SCALE: 3/4"=1'-0"


(4) 1" ø x 42" ANCHOR BOLTS W/3" HK. FURNISHED BY SIGN SUPPLIER, INSTALLED BY G.C.
2 1/4" MIN.
GALV. 9"
GRADE
AS REQUIRED BY CODE OR TO ACHIEVE ADEQUATE SOIL BEARING
2'-0"
11 3/8"
BOLT PATTERN BY SIGN SUPPLIER
11 3/8"
2'-0"

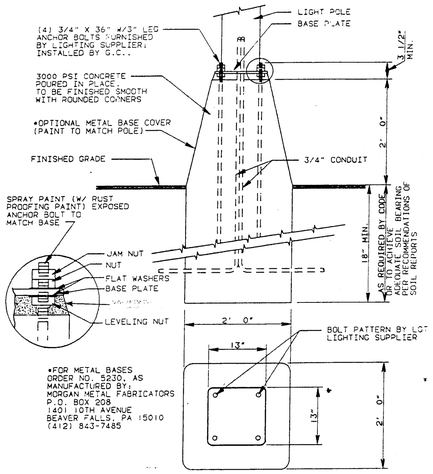
FLAG POLE POST DETAIL

SCALE: 3/4" = 1'0"



FLAG POLE AND ROAD SIGN BASES DETAIL

SCALE: 1" = 1'0"


LIGHT POLE
BASE PLATE
(4) 3/4" X 36" 4/3" LEG ANCHOR BOLTS FURNISHED BY LIGHTING SUPPLIER; INSTALLED BY G.C.
3000 PSI CONCRETE POURED IN PLACE TO BE FINISHED SMOOTH WITH ROUNDED CORNERS
*OPTIONAL METAL BASE COVER (PAINT TO MATCH POLE)
FINISHED GRADE
3/4" CONDUIT
3 1/2" MIN.
2'-0"
SPRAY PAINT (W/ RUST PROOFING PAINT) EXPOSED ANCHOR BOLT TO MATCH BASE
18" MIN.
AS REQUIRED BY CODE OR TO ACHIEVE ADEQUATE BEARING PER RECOMMENDATIONS OF SOIL REPORTS
JAM NUT
NUT
FLAT WASHERS
BASE PLATE
LEVELING NUT
2' 0"
BOLT PATTERN BY LGT LIGHTING SUPPLIER
13"
13"
2' 0"
*FOR METAL BASES ORDER NO. 52300, AS MANUFACTURED BY: MORGAN METAL FABRICATORS P.O. BOX 208 1401 10TH AVENUE BEAVER FALLS, PA 15010 (412) 843-7485

LIGHT POLE BASE DETAIL

SCALE: 3/4"=1'0"

REGISTERED ARCHITECT
No. 4496
ANDREW RADA
COMMONWEALTH OF MASSACHUSETTS

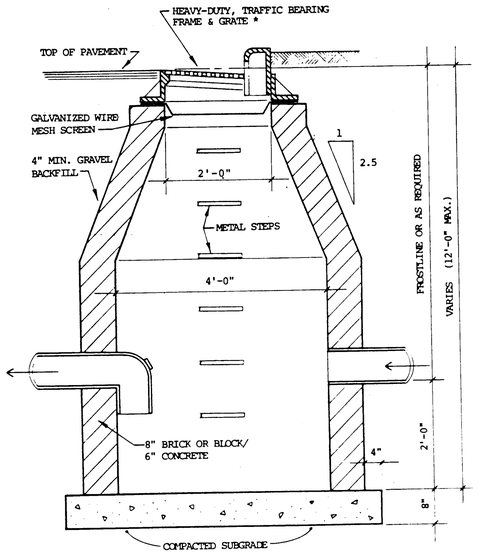
Revisions		
No.	Date	By

Date Drawn: JUNE 1988
Drawn By: JOHN J. CARDE
Checked By:
Job No.

McDonald's

PLAN APPROVALS
REGIONAL MANAGER
CONSTRUCTION MANAGER
OPERATIONS MANAGER
REAL ESTATE MANAGER
CONTRACT SIGNATURES
CONTRACTOR
OWNER

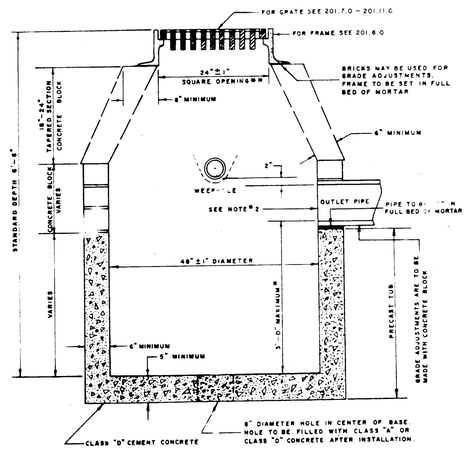
SD-2



*Neenah R-3010 or equivalent

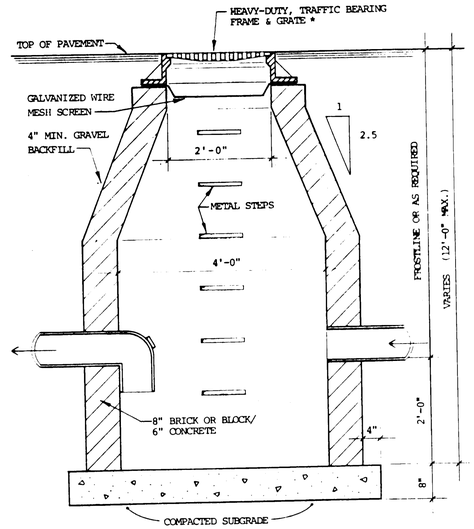
1/C2 CURB DRAINAGE CATCH BASIN

SCALE: 3/4" = 1'-0"


FOR GRATE SEE 201.7.0 – 201.11.0
FOR FRAME SEE 201.6.0
24" ± 1" SQUARE OPENING
BRICKS MAY BE USED FOR GRADE ADJUSTMENTS. FRAME TO BE SET IN FULL BED OF MORTAR
6" MINIMUM
STANDARD DEPTH 4'-6"
24" TAPERED SECTION CONCRETE BLOCK
CONCRETE BLOCK VARIES
WEEP HOLE
SEE NOTE* 2
OUTLET PIPE
PIPE TO BE SET IN FULL BED OF MORTAR
48" ± 1" DIAMETER
VARIES
3'-0" MINIMUM
6" MINIMUM
5" MINIMUM
PRECAST TUB
GRADE ADJUSTMENTS ARE TO BE MADE WITH CONCRETE BLOCK
CLASS "D" CEMENT CONCRETE
8" DIAMETER HOLE IN CENTER OF BASE. HOLE TO BE FILLED WITH CLASS "A" OR CLASS "D" CONCRETE AFTER INSTALLATION.

PRECAST CEMENT CONCRETE CATCH BASIN TUB

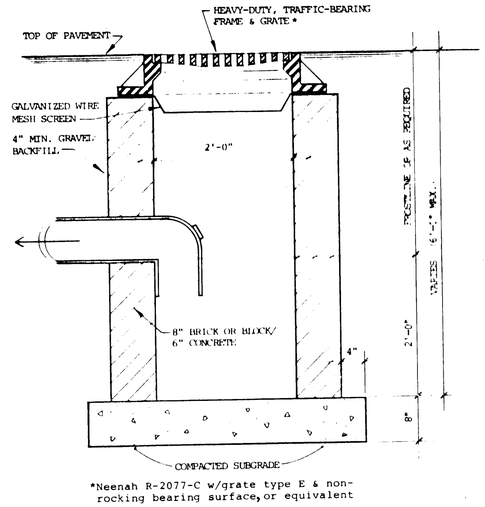
SCALE: 3/4"=1'-0"



*Neenah R-2077-C w/grate type E & non-rocking bearing surface or equivalent

3/C2 YARD DRAINAGE CATCH BASIN

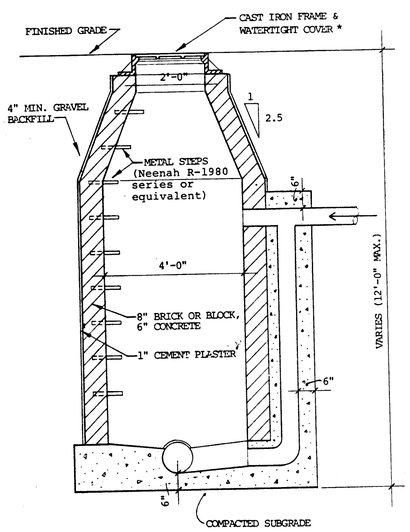
SCALE: 3/4" = 1'-0"



*Neenah R-2077-C w/grate type E & non-rocking bearing surface, or equivalent

4/C2 YARD DRAINAGE INLET

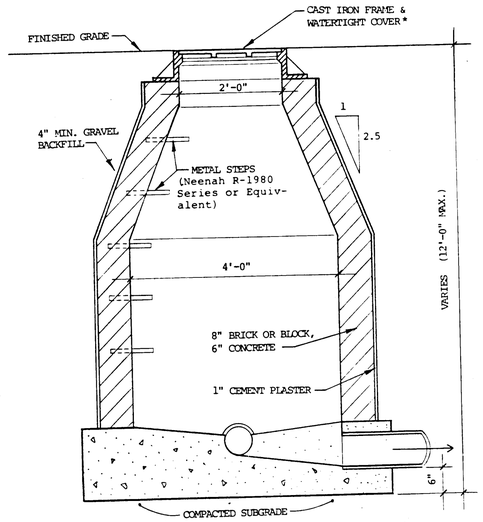
SCALE: 1" = 1'-0"



*Neenah R-1077-C w/lid type B & non-rocking bearing surface, or equivalent

5/C2 DROP MANHOLE

SCALE: 1/2" = 1'-0"

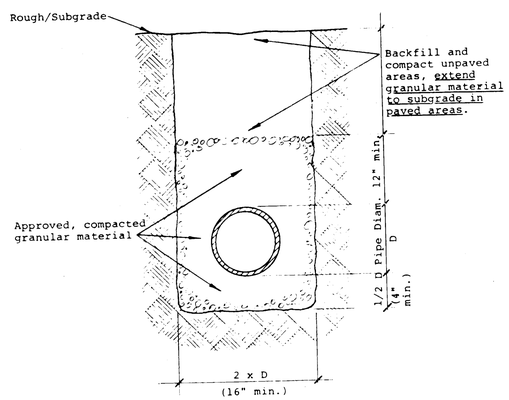


NOTE: G.C. IS TO INSTALL MANHOLE AT ANY PIPING ANGLE CHANGE GREATER THAN 45° AND AT EVERY 100' IN PIPING RUNS GREATER THAN 200' IN LENGTH.

*Neenah R-1077-C w/lid type B & non-rocking bearing surface, or equivalent

6/C2 TYPICAL MANHOLE

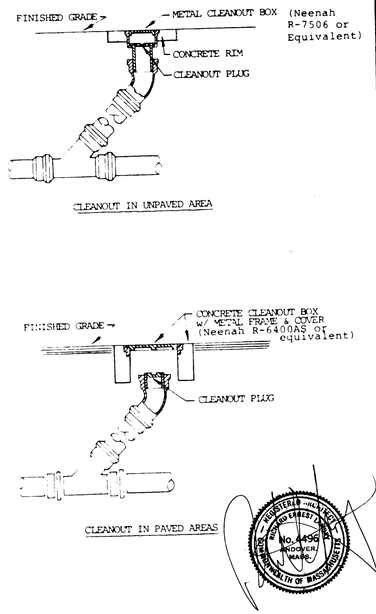
SCALE: 3/4" = 1'-0"


Rough/Subgrade
Backfill and compact unpaved areas, extend granular material to subgrade in paved areas.
Approved, compacted granular material
1/2 D Pipe Diam. 12" min.
D
(4" min.)
2 x D
(16" min.)

NOTE: Bedding shown is minimum required, unless otherwise noted on plan.

7/C2 PIPE BEDDING DETAIL

Scale: 1" = 1'-0"


FINISHED GRADE
METAL CLEANOUT BOX (Neenah R-7506 or Equivalent)
CONCRETE RIM
CLEANOUT PLUG
CLEANOUT IN UNPAVED AREA
FINISHED GRADE
CONCRETE CLEANOUT BOX w/ METAL FRAME & COVER (Neenah R-6400AS or equivalent)
CLEANOUT PLUG
CLEANOUT IN PAVED AREAS

8 EXTERIOR CLEANOUTS

Revisions

No.	Date	By

Date Drawn:
Drawn By:
Checked By:
Job No.

McDonald's

Drawn For:
McDonald's Corporation
McDonald's Plaza
Oak Brook, Illinois 60521
C. W. Broadbent
Vice Pres. Of Architecture
And Construction

SD-3

1. WATER BOOSTER SYSTEM

The plumbing Contractor shall furnish and install Variable Flow Duplex pressure booster system furnished by J&J Panora, Inc., South Weymouth, Massachusetts. The units shall have a total system capacity of 70 GPM at a discharge pressure of 93 feet TDH and minimum shut-off head of 180 feet. Above figures are based on suction pressure of 1 PSI. Pump casing, discharge flange, all fittings and valves, from discharge flange to header shall be capable of withstanding 150 PSI. Each pump shall be sized as indicated for 50% percent of the total system flow.

System shall automatically provide complete pump shutdown for extended periods during no- or low-flow conditions while maintaining constant system pressure.

2. FACTORY ASSEMBLY

The booster system shall be factory assembled on a steel skid including pumps, motors, valves, 2 type "L" copper suction and discharge manifolds, and all interconnecting piping, wiring and controls. Provide isolation valves on the suction and discharge of each pump. The valves shall be bronze body non-rising stem gate valves or wafer style butterfly valves. Provide two 4-1/2" ANSI grade A, panel mounted gauges for indicating system suction and discharge pressure. Suction gauge shall have a range of 0 - 5 psi; discharge gauge shall have a range of 0 - 100 psi. Gauges shall have snubbers and petcocks. All skid mounted components shall be factory finished in a high quality enamel paint. Skid system shall be securely mounted to the floor.

Individual pumps, motors, check valves may be serviced with the booster system in operation and all components shall be suitable for the working pressure in the system.

3. DUPLEX BOOSTER PUMP CONTROL

a. The electric control system shall start and stop the pumps required by system demand. The lead pump shall be started by a drop in system pressure and stopped by an increase in system pressure. The standby pump shall be started by a drop in system pressure and stopped by an increase in pressure. All start/stop pressure points shall be field adjustable. The system shall operate with a hydropneumatic tank having 40 psi to 70 psi operating range. Operating ranges shall be field adjustable. Start and stop functions shall be equipped with an adjustable timers to prevent unnecessary starting and stopping of the pumps. If a single pump is unable to maintain system pressure or demand the second pump shall also operate.

b. Provide NEMA 12 duplex frame mounted controller incorporating a main disconnect switch, 3 pole with operating handle through the door. Disconnect to be interlocked to limit access to the

controller so that power is off when cabinet is opened. Power voltage shall be 208 volts, 3 phase, 60 Hertz. All wiring and electrical construction within the panel must conform to U.L. requirements.

c. Mounted Internal Shall Be:

2 - Size 1 magnetic motor starters with three leg adjustable overloads and 120 volt operating coils 1.5 HP.

2 - 3 pole motor protection fuse blocks with properly sized Fusetrons in place.

1 - 208 volt to 120 volt control circuit transformer with 2-pole primary fuse block and fuses in place. Provide one (1) secondary Fusetron on X1 and ground to chassis the X2 terminal.

1 - Automatic alternator for pumps 1 and 2, each cycle.

2 - Pressure switch with adjustable differential to start and stop lead pump at low flow intervals, time delay "on" relays and minimum run timer shall be used to monitor this pressure switch. Mercoid two stage series D.400 or equal. Second unit shall function to start and stop lag pump as required.

1 - Visual and audible low suction pressure alarm system complete with vacuum switch, pilot light, relay, audible device and silence alarm button factory mounted and wired. Actuates auto-reset. Pumps to shut down when low pressure alarm activated. Vacuum switch to be installed in the suction header, and shall be a dry-guard vacuum switch as manufactured by Filterchem and Utility Supply Corp., Medford, Massachusetts. Switch to be complete with required relays to activate alarms and stop pump operation when a vacuum is measured in the suction line. Relays and contact, to activate a remote alarm light shall also be provided in the panel.

1 - Wiring diagram

d. Cover Mounted Shall Be:

2 - Red Run Pilot Lights

2 - H-O-A Switches

1 - Amber Alarm Pilot "Low Suction"

1 - Audible Alarm Device

1 - Push-button "Silence"

All pilot lights, push-buttons and selector switches to be NEMA 13 one hole mounted and labeled. Starters minimum size 1. Wire to run through wiring trought, tied, cleated and tagged both ends. All wiring shall be brought to master terminal boards.

4. ACCESSORIES

a. Temperature probe and valve equal to Sterlco Model 56-T adjustable range 60 to 140F for installation by contractor in discharge line from each pump. Temperature probe will discharge hot water to sump should excessive temperature be experienced.

5. PUMP AND MOTOR

a. Each pump shall be of the vertical multistage design with the motor mounted directly to the top of the pump. Pump models shall be furnished as shown on the plans and installed in accordance with the recommendations of the manufacturer. Each pump shall be capable of delivering 35 gallons per minute when operating at a total developed head of 93 feet of water column. Pump shall be capable of operating at continuous temperatures up to 250°F and working pressures of 175 PSI.

b. The pump suction/discharge chamber, motor stool and pump shaft coupling shall be constructed of cast iron. The impellers, pump shaft, diffuser chambers, outer discharge sleeve and impeller seal rings or seal ring retainers shall be constructed of stainless steel. The impellers shall be secured directly to the pump shaft by means of a stainless steel tapered split cone and locking nut or by a splined shaft arrangement. Intermediate and lower shaft bearings shall be bronze or tungsten carbide and ceramic. Pumps shall be equipped with a high temperature mechanical seal assembly with tungsten carbide seal faces mounted in stainless steel seal components.

c. The pump motor shall be sized to insure the pump is non-overloading when operating on the specified pump curve. The motor shall be 1-1/2 HP, 208 V, 3 phase, 60 cycle. Motor design shall be of the totally enclosed fan cooled with a NEMA C face design operating at a nominal 3500 RPM with a minimum service factor of 1.15. Lover motor bearings shall be adequately sized to insure long motor life.

d. Pumps Grundfos Series C-models CR-U, or approved equal.

6. System shall include an ASME approved, 170 gallon combination water-air storage tank Model FXA-650 rated at 200 psi with internal bladder separation to prevent air loss by absorption. Tank shall operate at a range of 40 - 70 psi. Air side shall be factory precharge at 12 psi (field charge to 40) and sealed to prevent leakage. Tank shall be steel, have a 1-1/2" system connection , an air recharge valve connection, and replaceable bladder with a 1-year

factory guarantee. Top inlet/outlet connections not acceptable. Furnish with a sealed spare bladder system to be suitable for storage of potable water. Tank shall be furnished with a 0 - 120 psi pressure gauge.

7. System shall include vacuum switches for abnormally low suction pressure to protect pumps and activate audio-visual alarm system, all with manual reset.

8. Contractor to furnish and install a water level probe in the 2-inch diameter PVC sight glass. The probe shall activate a level alarm light in the manager's office when the level in the sight tube drops to a point representing about 1000 gallons in the storage tank.

The probe shall be a wire suspension electrode type E-1S shielded as manufactured by Magnetic Controls - B/W Controls. Electrode material shall be 303 stainless steel. Probe shall be complete with wire connectors and suspension wire.

An induction type control relay capable of providing a low level signal to an alarm light shall be provided with the probe. Relay shall be Model 1500 single contact device. Line voltage shall be 120 volt, 60 HZ and secondary voltage shall be 220 volt A.C. Control relay shall be housed in a Nema-1 enclosure. Control relay shall be as manufactured by Magnetic Controls - B/W Controls.

The level alarm light shall be complete with labeled push-to-test alarm light, all necessary contacts, wall enclosed mounting devices, and wiring.

9. A pump alarm light to be activated when low suction pressure alarm system shall also be provided. The alarm system with contact and relays shall be furnished with the pump control panel. The contractor shall furnish and install all required wiring between the pump control panel and the remote alarm lamp. Also provide labeled push-to-test pump alarm light and mounting device.

10. FACTORY TEST

The booster system shall be hydrostatically tested as well as undergo a complete electric and hydraulic test from 0 to 100% design flow at the factory.

11. WARRANTY

The booster system shall be warranted in writing against defects in materials or workmanship under normal use and service for a period of one year after date or original operation.

12. START UP SERVICE

The service of a factory trained representative shall be made available on the jobsite for 8 hours of start-up and instructing operating personnel.

13. MANUALS

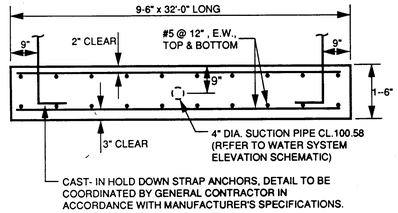
Two complete sets of operation and maintenance manuals, including parts lists and wiring diagrams, shall be provided with the water booster system.

14. SPARE PARTS

The following spare parts shall be furnished with the booster system:

a. One hydropneumatic tank bladder.
b. One motor protection fuse of each size used in the control panel.
c. One suction vacuum switch.

WATER SUPPLY SYSTEM SPECIFICATION


9'-6" x 32'-0" LONG
9"
2" CLEAR
#5 @ 12", E.W., TOP & BOTTOM
9"
9"
1'-6"
3" CLEAR
4" DIA. SUCTION PIPE CL.100.58 (REFER TO WATER SYSTEM ELEVATION SCHEMATIC)
CAST- IN HOLD DOWN STRAP ANCHORS, DETAIL TO BE COORDINATED BY GENERAL CONTRACTOR IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

SECTION

NOTES :

1. ALL CONCRETE WORK AND REINFORCING BAR DETAILS SHALL CONFORM TO THE LATEST ACI STANDARDS, ACI 318-83 AND ACI SP-66 (DETAILING MANUAL).

2. ALL CONCRETE SHALL BE AIR ENTRAINED AND SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 psi :
   % AIR ENTRAINMENT = 6% ± 1%
   SLUMP RANGE = 2" MIN. TO 4" MAX.
   AGGREGATE SIZE = 3/4" MAX
   W/C RATIO = 0.59 MAX.

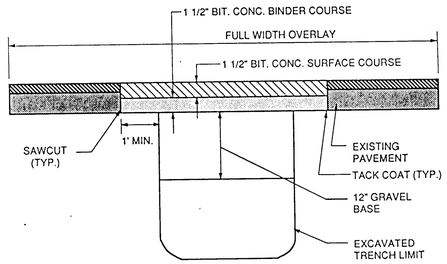
3. CONCRETE MATERIALS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
   * PORTLAND CEMENT:ASTM C 150 TYPE II
   * AIR ENTRAINING ADMIXTURE: ASTM C 260
   * WATER: CLEAN, POTABLE, CONFORMING TO ASTM C94, AND FREE OF OIL, ORGANIC MATTER AND OTHER DELETERIOUS SUBSTANCES.
   * NORMAL WEIGHT AGGREGATES: ASTM C33
   * FINE AGGREGATES SHALL BE INERT, NATURAL SAND.
   * COARSE AGGREGATES SHALL BE WELL GRADED CRUSHED STONE OR GRAVEL 3/4" MAXIMUM.
   * ACCELERATING AND RETARDING ADMIXTURES SHALL NOT BE USED WITHOUT WRITTEN PERMISSION OF THE ENGINEER.
   * USE OF CALCIUM CHLORIDE IS NOT PERMITTED.

4. DESIGN MIXES SHALL BE PREPARED IN ACCORDANCE WITH ACI 301. READY-MIX CONCRETE SHALL CONFORM TO ASTM C94.

5. CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ACI 304 .

CONCRETE PAD DETAIL

N.T.S.



PAVEMENT PATCH DETAIL

N.T.S.

Revisions		
No.	Date	By
1	11-17-89	JC

Date Drawn: Drawn By: Checked By: Job No.

McDonald's

SD-4

PROPOSED ROAD SIGN

BROCKTON, MA

CRESCENT STREET

SCALE: 3/4"=1'-0"

Revisions			
No.	Date	By	

Date Drawn:
Drawn By:
Checked By:
Job No.

REGISTERED ARCHITECT
DONALD CONNELLY
No. 4496
ANDOVER MASS.
COMMONWEALTH OF MASSACHUSETTS

McDonald's

PLAN APPROVALS — DATE

REGIONAL MANAGER _____

CONSTRUCTION MANAGER _____

OPERATIONS MANAGER _____

REAL ESTATE MANAGER _____

CONTRACT SIGNATURES

CONTRACTOR _____

OWNER _____

FOR ADDITIONAL INFORMATION @ VESTIBULE, SEE SHEET V01.

84' 0"

21' 0" | 20' 8" | 22'-4" | 42' 4" | 10'-2" | 15'-4" | 16'-10"

CONCRETE CURB TO BE 11'-6" LONG X 6" WIDE X 5 1/2" HIGH IF INDIVIDUAL ELECT. PANELS ARE USED. SEE DETAIL 9/A2

TOP OF WALL ELEV. 0'-0"

OUTER-MOST FOUNDATION WALL PROVIDED FOR FROST BREAK

2" TYP. FROM VEST.

2'-10" | 8" | 7'-0" | 7'-0" | 8" | 2'-10" | 8" | 3'-4" | 4'-4"

1/A13 | 1/A-1

F4 (SEE SCHEDULE) | 4'8" | 1' 0" TYP.

EJECTOR PUMP PIT 2'-0" DIA. X 3'-0" DEEP

9' 6" | 11' 6" | 6' 10" | 3' 4" | 10' 2"

CURB TO BE 6'-10" LONG X 2' WIDE X 6 1/2" HIGH IF MODULAR SWITCH GEAR IS USED.

4" CONCRETE SLAB W/ 6" X 6" -W1.4 X W1.4 W.W.F.

STEPPED FOOTING. SEE DETAIL 7/A2

TOP OF WALL ELEV. -0'-6"

THICKENED SLAB

1'-4" | 3'-4" | 4'-8" | 1'-4"

O.H. | ℄ OF VESTIBULE

FOOTING - 2'-4" x 1'-0" DEEP

1' 4" | 4' | 4' 10" | 14' 8" | 3' 0" | 6" | 8" | 6" | 4" HIGH CONCRETE WATER HEATER PAD

CONTROL JOINT | 15' 4"

6/A1 | 18" TYP. | O

8" CONCRETE BLOCK WALL GROUTED SOLID WITH 3000 PSI MORTAR

MOP SINK RECESSED INTO SLAB CUTOUT SEE 5/A13

1' 0" | 5' 11" | 8" | 17' 3" | 11' 2"

CONTROL JOINT

TOP OF WALL ELEV. -0'-8"

UNEXCAVATED AREA

8-#5 VERTICAL INTO FOOTING. SEE DETAIL 3/A1 OPH

4 #5 - DOWEL INTO FOOTINGS

TOP OF WALL ELEV. -0'-0"

1/A1A | 1/A-1

2'-9" | 10'-2" | 11'-10" | 37' 8" | 43' 10"

8" | 12" | 8" | 1'-8" | 2'-8" | 8"

6' 11" | 8 1/4" | 2' 9 1/4" | 9 3/4"

1/A1A | 6/A2A

F4 (SEE SCHEDULE)

CONTROL JOINT

43' 10"

8-#5 VERTICAL INTO FOOTING. SEE DETAIL 3/A1

FOOTING - 2'-4" x 1'-0" DEEP

TOP OF WALL ELEV. -0'-0"

18' 7 1/2"

FREEZER CANNOT BE SHIMMED, THEREFORE THE CONCRETE SLAB IN THIS AREA SHALL BE LEVEL WITHIN 1/4" TOLERANCE OTHERWISE SLAB WILL BE REPLACED AT THE EXPENSE OF THE G.C.

℄ OF SUMP PIT SEE DETAIL 3 ON A13

11' 11" | 15' 4" | F4 (SEE SCHEDULE) | 14'-1" | 1' 0"

TOP OF WALL ELEV. -0'-8"

STEPPED FOOTING. SEE DETAIL 7/A2

8'-10" | 8" | 2'-10" | 8" | 4" | 5'-6" | 1' 0" TYP. | 6' 2"

OUTER-MOST FOUNDATION WALL PROVIDED FOR FROST BREAK

10'-4" | 13'-0"

PEDESTRIAN RAIL FOOTING SEE 4/A8

1' 0" | 36' 6" | 18' 2" | 29' 4"

FOR ADDITIONAL INFORMATION @ VESTIBULE, SEE SHEET V01.

84' 0"

FOUNDATION AND BASEMENT SLAB PLAN

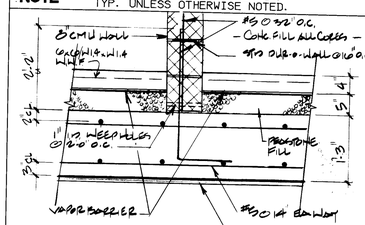
SCALE: 1/4" = 1'-0"

NOTE: COORDINATE LOCATIONS OF SUMP PITS W/ PLUMBING DRAWINGS & KITCHEN DRAWINGS

FOOTING SCHEDULE

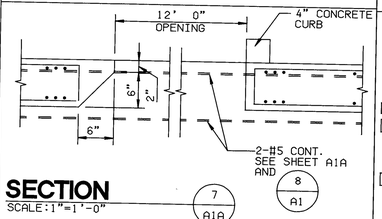
	LIVE LOAD	CONTINUOUS FOOTING SIZE F3	F4
F1			
F2			
	LL= 40 PSF		

NOTE FOUNDATION WALL TO BE 12", TYP. UNLESS OTHERWISE NOTED.



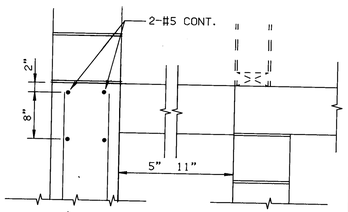
SECTION

SCALE: 3/4" = 1'-0" 6/A1



SECTION

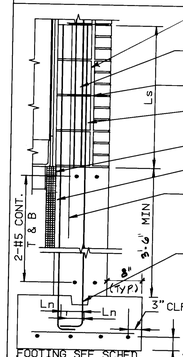
SCALE:1"=1'-0" 7/A1A



SECTION

SCALE:1"=1'-0" 8/A1A

NOTE: FOR STEEL REINFORCING @ STAIR OPENING SEE SHT. A1A.

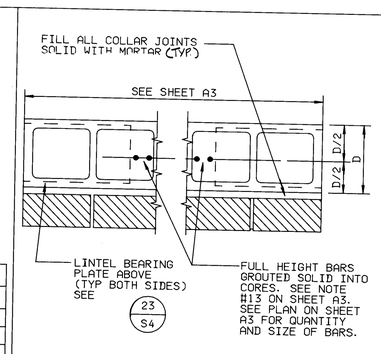


MIN. LAP SPLICE

BAR SIZE	Ls	Ln
#4	20"	7"
#5	26"	9"
#6	32"	10"

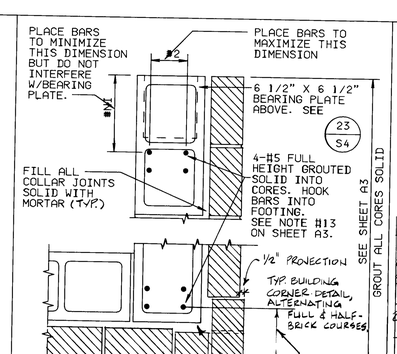
SECTION

SCALE: 3/4" = 1'-0" 1/A1


FILL ALL COLLAR JOINTS SOLID WITH MORTAR (TYP.)
SEE SHEET A3
D/2
D
LINTEL BEARING PLATE ABOVE (TYP BOTH SIDES) SEE 23/S4
FULL HEIGHT BARS GROUTED SOLID INTO CORES. SEE NOTE #13 ON SHEET A3. SEE PLAN ON SHEET A3 FOR QUANTITY AND SIZE OF BARS.

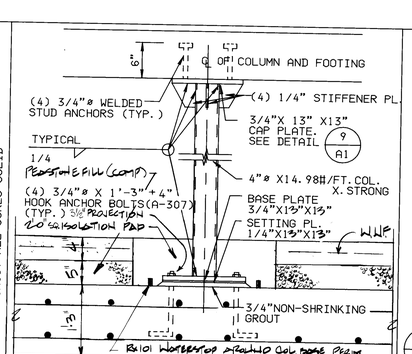
DETAIL

SCALE:1 1/2"=1'-0" 2/A3


PLACE BARS TO MINIMIZE THIS DIMENSION BUT DO NOT INTERFERE W/BEARING PLATE.
PLACE BARS TO MAXIMIZE THIS DIMENSION
6 1/2" X 6 1/2" BEARING PLATE ABOVE. SEE 23/S4
4-#5 FULL HEIGHT GROUTED SOLID INTO CORES. HOOK BARS INTO FOOTING. SEE NOTE #13 ON SHEET A3.
FILL ALL COLLAR JOINTS SOLID WITH MORTAR (TYP.)
½" PROJECTION
TYP BUILDING CORNER DETAIL, ALTERNATING FULL & HALF-BRICK COURSES
SEE SHEET A3
GROUT ALL CORES SOLID
MINIMIZE
FILL COLLAR JOINTS SOLID W/ MORTAR.

DETAIL

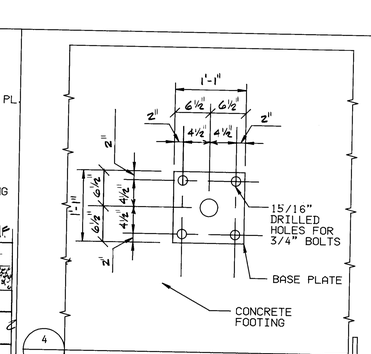
SCALE:1 1/2"=1'-0" 3/A3 3/A1


6"
℄ OF COLUMN AND FOOTING
(4) 3/4"ø WELDED STUD ANCHORS (TYP.)
(4) 1/4" STIFFENER PL.
3/4"X 13" X13" CAP PLATE. SEE DETAIL 9/A1
TYPICAL 1/4 PEDESTAL FILL (COMP.)
4"ø X14.98#/FT. COL. X. STRONG
(4) 3/4"ø X 1'-3"+4" HOOK ANCHOR BOLTS(A-307) (TYP.) 5½" PROJECTION
BASE PLATE 3/4"X15"X15"
20" SQ. FOOTING PAD
SETTING PL. 1/4"X15"X15"
W.W.F.
15"
13"
3/4"NON-SHRINKING GROUT
R8101 WATERSTOP AROUND COL. BASE PLATE.
VOLCLAY (TYPE 1) W/ APPL. FOR DOWELS & BELOW

SECTION

SCALE: NOT TO SCALE 4/A1

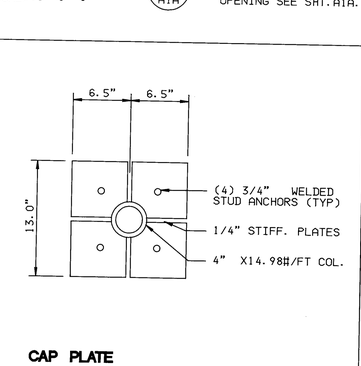
NOTE: COAT COLUMN BASE (COL. BASE PL., LEVELING PL. ANCHOR BOLT TOPS & NUTS) W/ ASPHALT BEFORE CONCRETING.



DETAIL

SCALE:1" = 1'-0" 5/A1

BASE PLATE



CAP PLATE

DETAIL

SCALE:1 1/2"=1'-0" 9/A1

1	01FEB90	CODE UPDATE & STRUCTURAL CHANGES	JJC
2	1-19-90	CHANGES TO DETAIL/SECTION 8/A1A1	TPT
	REV DATE	DESCRIPTION	BY ISSUE REF

VIEW CONVENTION | SCALE | UNITS OF MEASURE INCH

REGISTERED ARCHITECT STATE OF WISCONSIN No. 3459 ANDOVER WISC.

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS BROWNSON - CRESCENT STREET

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE	37-84/89 BASEMENT
DRAWN BY	JMS
CHECKED BY	JRW
MATERIAL / DESCRIPTION	26 PSF WIND LOAD
DATE DRAWN	01AUG89
APPROVED BY	JRW
DATE CHECKED	30AUG89
DATE APPROVED	30AUG89
DATE ISSUED	01SEP89
DRAWING ID	9BM -3784BS
ISSUE REF	--

SHEET NO. A1 OF 1 P

26 PSF WIND LOAD

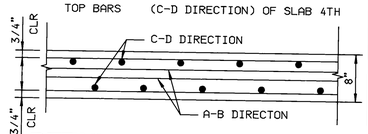
MCD104 (01FEB89)

NOTES

1. STEEL COVERAGE: 2" FROM BOTTOM & SIDES OF ALL WALKS . 3/4" FROM BOTTOM & TOP OF SLAB. 3" FROM BOTTOM & SIDES OF ALL FOOTINGS.
2. AVOID ANY INTERFERENCE WITH SLEEVES, STUBS, & FLOOR OPENINGS WHEN PLACING STEEL. IF CONFLICT OCCURS, NOTIFY MCDONALD'S CONSTRUCTION ENGINEER.
3. SEE KITCHEN ROUGH-IN PLANS FOR LOCATIONS OF STUBS & SLEEVES.
4. NOTIFY ALL TRADES & MCDONALD'S CONSTRUCTION ENGINEER BEFORE POURING SLAB.
5. ALL SLEEVES THROUGH FOUNDATION WALL AND SLAB TO BE SEALED WATER TIGHT.
6. EXACT LOCATION OF SLEEVES FOR INCOMING SERVICES TO BE DETERMINED BY SITE CONDITIONS.
7. DEPENDING ON AREA, REGIONAL CONSTRUCTION MANAGER TO ADVISE CONTRACTOR OF EXACT WIDTH OF CONCRETE DRIVE THRU PAD.
8. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR INSURING THAT THE ALLOWABLE SOIL BEARING CAPACITY PER NOTE 15 IS ATTAINED. IF THIS VALUE IS NOT ATTAINED THE GENERAL CONTRACTOR SHALL NOTIFY MCDONALD'S CONSTRUCTION ENGINEER IN WRITING.
9. WALKS & CONCRETE CURBS SHOWN ARE FOR SOUTHERN AREAS. IN NORTHERN AREAS CONCRETE CURBS @ FRONT AND RIGHT SIDE OF BUILDING ARE TO BE 4'-6" AWAY FROM OUTSIDE FACE OF FOUNDATION WALL. SEE ALTERNATE DETAIL (1A / A2)
10. IF VESTIBULES ARE USED, SEE SHEETS V1, & V2 FOR SLAB & FOUNDATION PLAN REVISIONS.
11. STRUCTURAL CONCRETE SLAB IS 8" UNLESS NOTED.
12. LENGTH OF BARS SHOWN ON PLANS DOES NOT INCLUDE ANY ALLOWANCE FOR HOOKS AND BENDS.
13. REINFORCING BARS SHALL BE ASTM A615 GRADE 60 STEEL.
14. TEMPORARY SHORING AND RESHORING OF STRUCTURAL SLAB SHALL REMAIN IN PLACE AT LEAST 28 DAYS AFTER POURING OF CONCRETE.
15. MINIMUM CONC. COMPRESSIVE STRENGTH = 3000 PSI MINIMUM STEEL YIELD STRESS = 60 KSI ALLOWABLE SOIL BEARING = 2000 PSF
16. SUPPORT RE-BARS WITH PLASTIC TIPPED HIGH CHAIRS, MAXIMUM SPACING @ 4'-0" O.C..
17. PLACE REINFORCING BARS IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICE ACI 315-74.
18. EXTEND BOTTOM BARS INTO ADJACENT SPAN TO OPENING.
19. FOR STRUCTURAL STEEL PLACEMENT SEQUENCE SEE DETAIL 2/A1A
20. FNDN. WATERPROOFING SHALL BE DAMPPROOFING OR APPROVED EQUAL WHERE SHALL BE IN STRICT ACCORDANCE W MFR'S SPECS.

NOTE CONTINUOUS HIGHCHAIR SHALL HAVE #2 TOP WIRE, #2 LEG WIRE AT 8" O.C. AND SHALL BE SPACED AT 4'-0" O.C. FOR #5 BARS AND AT LEAST 4 ROWS IF BARS ARE MORE THAN 9'-0" LONG. IF SUPPORT BARS ARE SUBSTITUTED FOR CONTINUOUS HIGHCHAIR, THESE SUPPORTS WILL BE #5 BARS @ 4'-0" O.C.

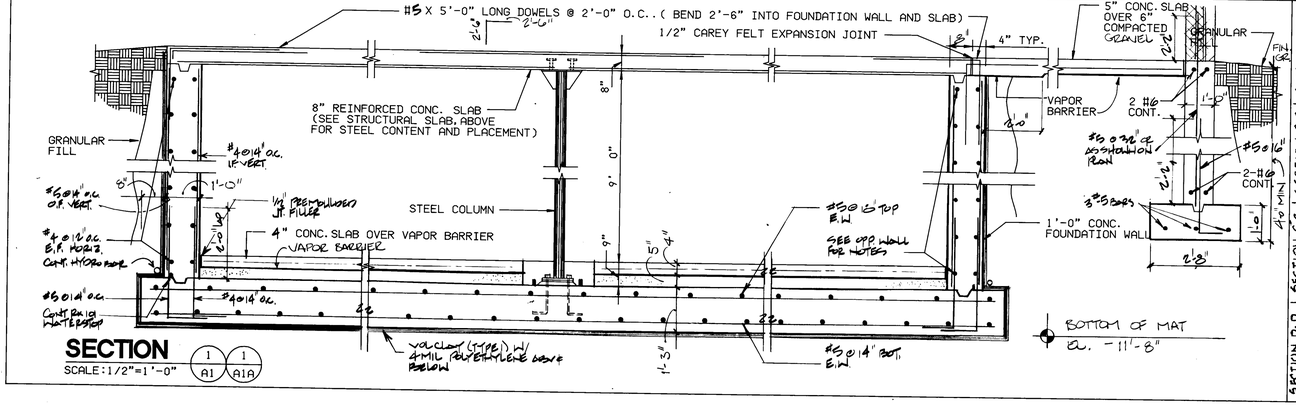
BOTTOM BARS (C-D DIRECTION) OF SLAB 1ST
BOTTOM BARS (A-B DIRECTION) OF SLAB 2ND
TOP BARS (A-B DIRECTION) OF SLAB 3RD
TOP BARS (C-D DIRECTION) OF SLAB 4TH



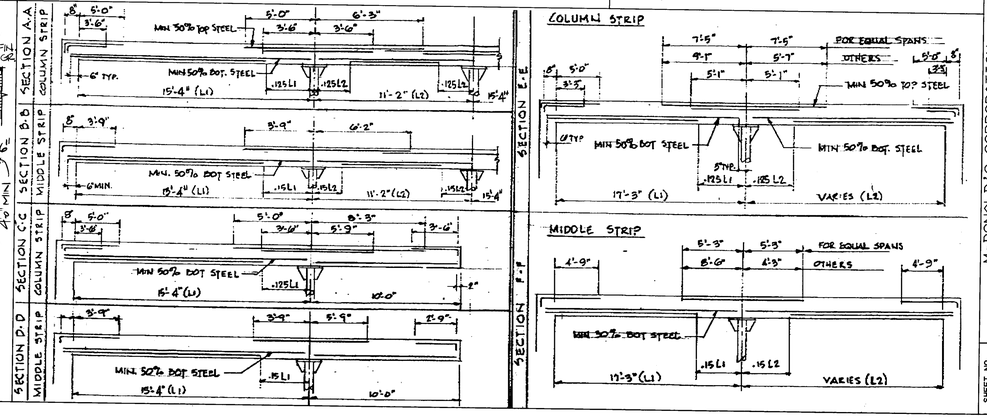
DETAIL
SCALE: 1" = 1'-0" (2 / A1A)

SLAB PLAN
SCALE: 1/4" = 1'-0"

LOAD SCHEDULE	
MATERIAL	P. S. F.
8" SLAB	100
QUARRY TILE	12
LIVE LOAD	100
TOTAL LOAD	212


#5 X 5'-0" LONG DOWELS @ 2'-0" O.C.. (BEND 2'-6" INTO FOUNDATION WALL AND SLAB)
1/2" CAREY FELT EXPANSION JOINT
8" REINFORCED CONC. SLAB (SEE STRUCTURAL SLAB, ABOVE FOR STEEL CONTENT AND PLACEMENT)
GRANULAR FILL
STEEL COLUMN
4" CONC. SLAB OVER VAPOR BARRIER
VAPOR BARRIER
1'-0" CONC. FOUNDATION WALL
5" CONC. SLAB OVER 6" COMPACTED GRAVEL
GRANULAR FILL
2 #6 CONT.
3 #5 BARS
BOTTOM OF MAT EL. -11'-8"

SECTION
SCALE: 1/2"=1'-0" (1 / A1 — 1 / A1A)



1	01FEB89	CODE UPDATE & STRUCTURAL CHANGES	JJC
2	7-1-90	ADDITION OF COLUMN STRIP/MIDDLE STRIP	T.P.T.
3	7-1990	CHANGE TO DOWEL NOTE	T.P.T.

REV	DATE	DESCRIPTION	BY	ISSUE REF
VIEW CONVENTION	SCALE		UNITS OF MEASURE	INCH

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS: PRAIRIE CRESCENT STREET

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

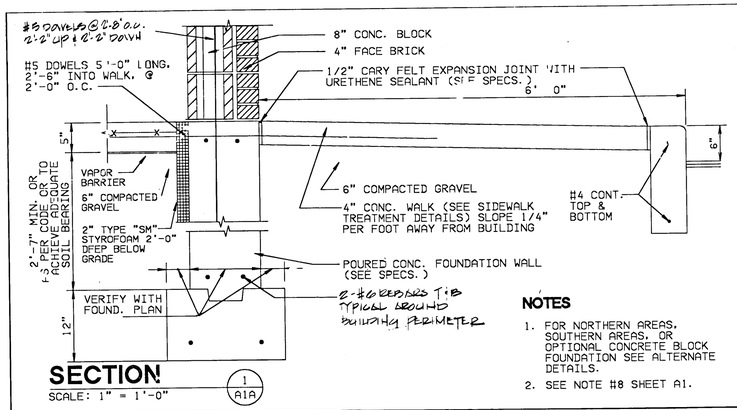
DATE CHECKED	DATE CHECKED
CHECKED BY MSR	DATE APPROVED 30AUG89
APPROVED BY	DATE ISSUED 01SEP89
ISSUE REF —	

TITLE: 37-84/89 BASEMENT

DRAWN BY	MATERIAL / DESCRIPTION
JRW	
DATE DRAWN 01AUG89	
DRAWING ID	9BM -3784BS

SHEET NO. A1A

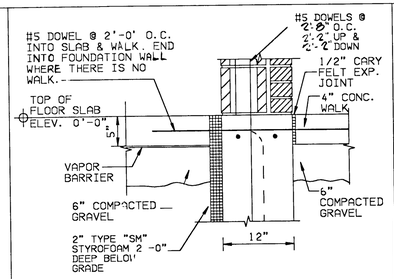
MCD104 (01FEB89)


#5 DOWELS @ 2'-8" O.C. 2'-2" UP & 2'-2" DOWN
8" CONC. BLOCK
4" FACE BRICK
#5 DOWELS 5'-0" LONG, 2'-6" INTO WALK, @ 2'-0" O.C.
1/2" CARY FELT EXPANSION JOINT WITH URETHENE SEALANT (SEE SPECS.)
6' 0"
5"
X
X
VAPOR BARRIER
6" COMPACTED GRAVEL
2" TYPE "SM" STYROFOAM 2'-0" DEEP BELOW GRADE
4" CONC. WALK (SEE SIDEWALK TREATMENT DETAILS) SLOPE 1/4" PER FOOT AWAY FROM BUILDING
#4 CONT. TOP & BOTTOM
6"
2'-7" MIN. OR AS PER CODE OR TO ACHIEVE ADEQUATE SOIL BEARING
POURED CONC. FOUNDATION WALL (SEE SPECS.)
VERIFY WITH FOUND. PLAN
2-#6 REBARS T&B TYPICAL AROUND BUILDING PERIMETER
12"

SECTION
SCALE: 1" = 1'-0" (1 / A1A)

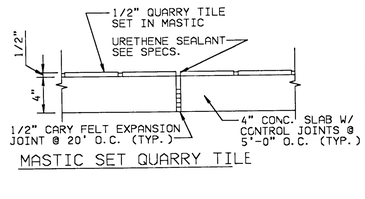
NOTES

1. FOR NORTHERN AREAS, SOUTHERN AREAS, OR OPTIONAL CONCRETE BLOCK FOUNDATION SEE ALTERNATE DETAILS.
2. SEE NOTE #8 SHEET A1.

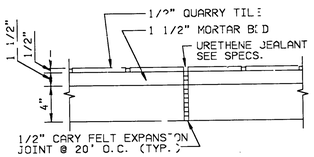

#5 DOWEL @ 2'-0" O.C. INTO SLAB & WALK. END INTO FOUNDATION WALL WHERE THERE IS NO WALK.
#5 DOWELS @ 2'-8" O.C. 2'-2" UP & 2'-2" DOWN
1/2" CARY FELT EXP. JOINT
4" CONC. WALK
TOP OF FLOOR SLAB ELEV. 0'-0"
5"
VAPOR BARRIER
6" COMPACTED GRAVEL
2" TYPE "SM" STYROFOAM 2'-0" DEEP BELOW GRADE
6" COMPACTED GRAVEL
12"

DETAIL
SCALE: 1" = 1'-0" (1A / A1A)

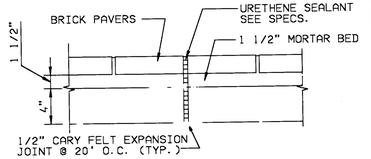
ALTERNATE
FLOATING SLAB


1/2" QUARRY TILE SET IN MASTIC
URETHENE SEALANT SEE SPECS.
1/2"
4"
1/2" CARY FELT EXPANSION JOINT @ 20' O.C. (TYP.)
4" CONC. SLAB W/ CONTROL JOINTS @ 5'-0" O.C. (TYP.)

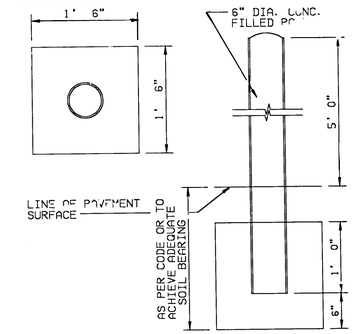
MASTIC SET QUARRY TILE



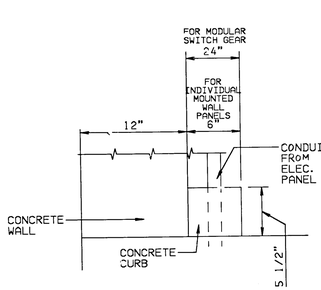
MUD SET QUARRY TILE



BRICK PAVERS

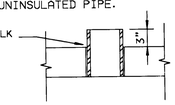


DETAIL
SCALE: 1"=1'-0" (4 / A1A)



DETAIL
SCALE: 1 1/2"= 1'-0" (9 / A1)

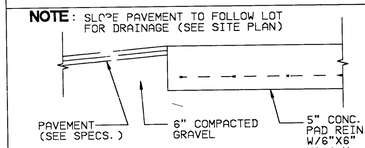
NOTE: PIPE SLEEVE TO BE SCHEDULE 40 PIPE OF AN ADEQUATE DIAMETER TO ENCLOSE INSULATED OR UNINSULATED PIPE.



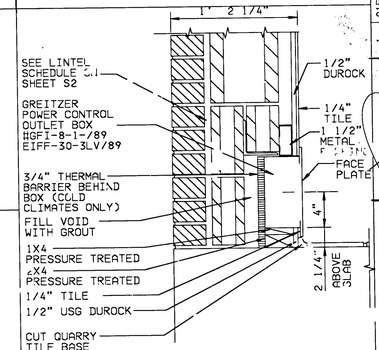
SEE NOTE #10 ON SHEET P3

DETAIL
SCALE: 1" = 1'-0" (5 / P2)

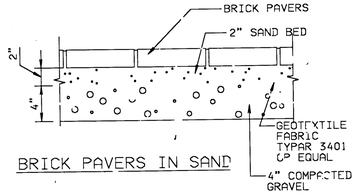
NOTE: SLOPE PAVEMENT TO FOLLOW LOT FOR DRAINAGE (SEE SITE PLAN)



DETAIL
SCALE:1 1/2"=1' 0" (6 / A1A)

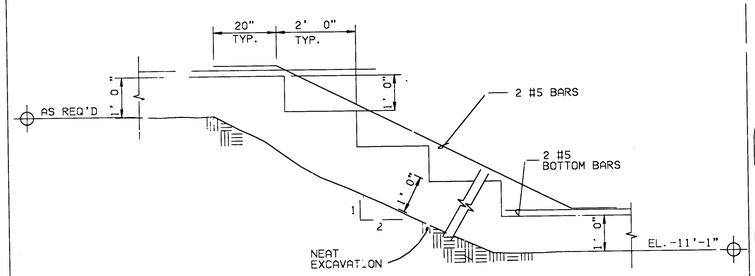


DETAIL
SCALE:1 1/2"=1'-0" (10 / S2) (10 / E1)

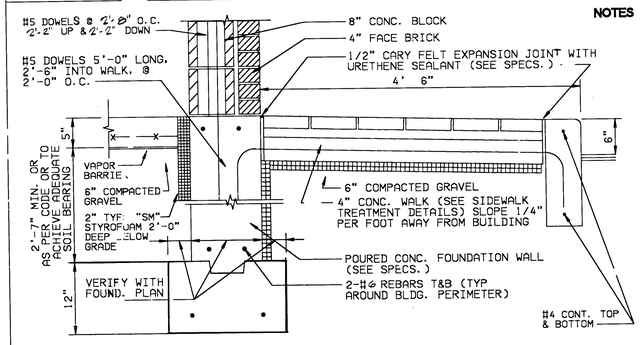


BRICK PAVERS IN SAND

SIDEWALK TREATMENT DETAILS
SCALE: 1 1/2" = 1'-0" (2 / A1A)



TYPICAL STEP FOOTING DETAIL
SCALE:1/2"=1'-0" (7 / A1)


#5 DOWELS @ 2'-8" O.C. 2'-2" UP & 2'-2" DOWN
8" CONC. BLOCK
4" FACE BRICK
#5 DOWELS 5'-0" LONG, 2'-6" INTO WALK, @ 2'-0" O.C.
1/2" CARY FELT EXPANSION JOINT WITH URETHENE SEALANT (SEE SPECS.)
4' 6"
5"
X
X
VAPOR BARRIER
6" COMPACTED GRAVEL
2" TYP. "SM" STYROFOAM 2'-0" DEEP BELOW GRADE
6" COMPACTED GRAVEL
4" CONC. WALK (SEE SIDEWALK TREATMENT DETAILS) SLOPE 1/4" PER FOOT AWAY FROM BUILDING
6"
2'-7" MIN. OR AS PER CODE OR TO ACHIEVE ADEQUATE SOIL BEARING
POURED CONC. FOUNDATION WALL (SEE SPECS.)
VERIFY WITH FOUND. PLAN
2-#6 REBARS T&B (TYP AROUND BLDG. PERIMETER)
12"
#4 CONT. TOP & BOTTOM

DETAIL — **ALTERNATE NORTHERN AREAS**
SCALE: 1" = 1'-0"

NOTES

DRAINAGE FILL:
WASHED, UNIFORMLY GRADED MIXTURE OF CRUSHED STONE, CRUSHED OR UNCRUSHED GRAVEL, WITH 100% PASSING A 1 1/2" SIEVE AND NOT MORE THAN 5% PASSING A NO. 4 SIEVE. PLACE MATERIAL IN EQUAL LAYERS EXCEPT NO SINGLE LAYER MORE THAN 6" OR LESS THAN 3" IN THICKNESS WHEN COMPACTED.

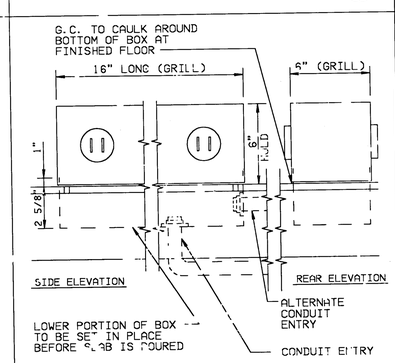
CONCRETE WALKS AND CURBS:
POUR WITH 4000 POUND CONCRETE HAVING 1" COURSE AGGREGATE MAXIMUM. CLEAVAGE JOINTS OF PREMOLDED MATERIAL SHALL BE PROVIDED BETWEEN NEW CONCRETE AND OTHER CONCRETE PAVEMENT OR STRUCTURES, AND ALSO NOT MORE THAN 20'-0" APART IN WALKS. CRACK CONTROL SCORE LINES SHALL BE PROVIDED ON 5'-0" CENTERS ON CONCRETE WALKS AND CURBS. EDGES OF WALKS, SCORE LINES AND JOINTS SHALL BE ROUNDED 1/4". WALKS SHALL BE LIGHTLY BROOMED AND SHALL BE MOIST CURED AS SPECIFIED. AIR ENTRAINED CONCRETE REQUIRED FOR ALL CONCRETE WORK EXPOSED TO THE WEATHER FOR SIDEWALKS, PAVING, AND SLABS. MAXIMUM ALLOWABLE SLUMP SHALL BE 4". AN AIR ENTRAINING MIXTURE SHALL BE USED AT THE MIXER TO PROVIDE AN AIR CONTENT OF 5 1/2% WITH A TOLERANCE OF ±1 1/2%

PERCENTAGE OF MAXIMUM DENSITY REQUIREMENT:
COMPACT SOIL TO NOT LESS THAN THE FOLLOWING PERCENTAGE OF MAXIMUM DRY DENSITY FOR SOILS WHICH EXHIBIT A WELL DEFINED MOISTURE - DENSITY RELATIONSHIP DETERMINED IN ACCORDANCE WITH ASTM D 1557; AND NOT LESS THAN THE FOLLOWING PERCENTAGES OF RELATIVE DENSITY, DETERMINED IN ACCORDANCE WITH ASTM D 2049, FOR SOIL WHICH WILL NOT EXHIBIT A WELL DEFINED MOISTURE DENSITY RELATIONSHIP.

WALKWAYS:
COMPACT TOP 6" OF SUBGRADE AND EACH LAYER OF FILL OR BACKFILL MATERIAL AT 95% MAXIMUM DRY DENSITY.

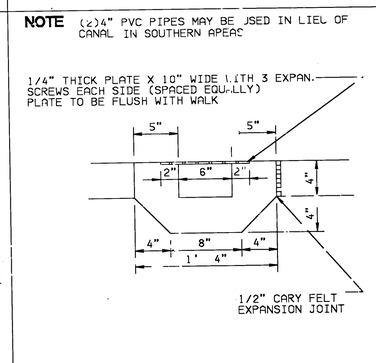
FILL AND BACKFILL MATERIALS:
SATISFACTORY SOILS FREE OF ROCK OR GRAVEL LARGER THAN 2" IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS, VEGATABLE AND OTHER DELETERIOUS MATTER.

PLACEMENT AND COMPACTMENT:
PLACE FILL AND BACKFILL MATERIALS IN LAYERS NOT MORE THAN 8" IN LOOSE DEPTH FOR MATERIAL COMPACTION BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN 4" LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND OPERATED EQUIPMENT.



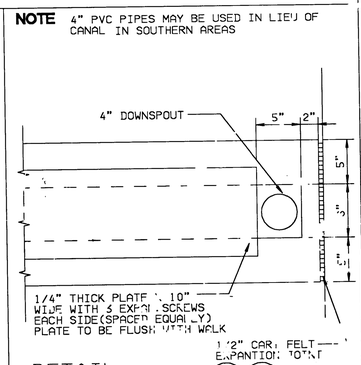
DETAIL
NO SCALE (3 / E1) (3 / A1A)

NOTE (2)4" PVC PIPES MAY BE USED IN LIEU OF CANAL IN SOUTHERN AREAS



SECTION
SCALE:1 1/2"=1'-0" (8 / A1A) (8 / A4)

NOTE 4" PVC PIPES MAY BE USED IN LIEU OF CANAL IN SOUTHERN AREAS


4" DOWNSPOUT
5"
2"
5"
3"
2"
1/4" THICK PLATE X 10" WIDE WITH 3 EXPAN. SCREWS EACH SIDE (SPACED EQUALLY) PLATE TO BE FLUSH WITH WALK
1/2" CARY FELT EXPANSION JOINT

DETAIL
SCALE:1 1/2"=1'-0" (12 / A1A) (12 / A4)

REV	DATE	DESCRIPTION	BY
1	01FEB90	CODE UPDATE & STRUCTURAL CHANGES	JJC
2	7-19-90	BRANCHWORKS SKETCH 1,1A, 2A-1A	T.P.T.

UNITS OF MEASURE: INCH
SCALE: 1
ISSUE REF: —
NEW CONVENTION

REGISTERED ARCHITECT — STATE OF WASHINGTON — No. 5406 — RANDOLPH WILLIAM SCHEER

McDONALD'S CORPORATION
CRK BROOK, ILLINOIS 60521

37-84/89 BASEMENT

DRAWN BY	MATERIAL / DESCRIPTION	CHECKED BY	DATE CHECKED
LAST DRAWN 01AUG89		MGR	30AUG89
		APPROVED BY	DATE APPROVED
			30AUG89
		ISSUE REF	DATE ISSUED
		—	SEP89

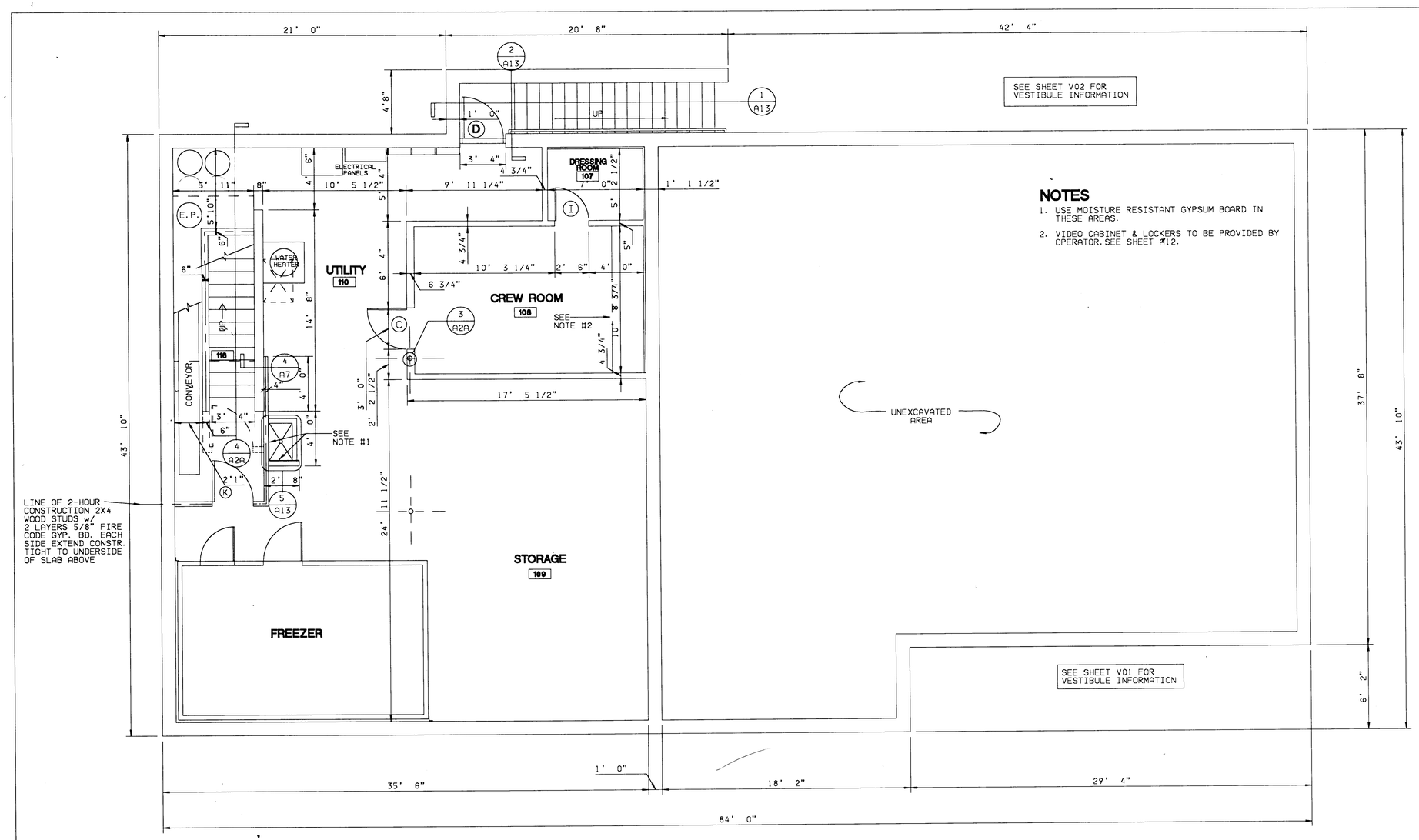
CONTRACT ID: 9MB -3784BS

SHEET: A02

LOCAL ADDRESS: MADISON - CRESCENT STREET

McDONALD'S®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

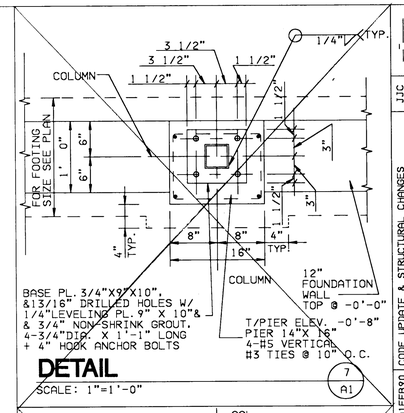


BASEMENT FLOOR PLAN

SCALE: 1/4" = 1'-0"

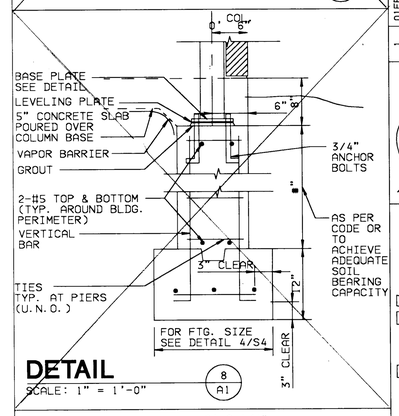
NOTES

1. USE MOISTURE RESISTANT GYPSUM BOARD IN THESE AREAS.
2. VIDEO CABINET & LOCKERS TO BE PROVIDED BY OPERATOR. SEE SHEET A12.



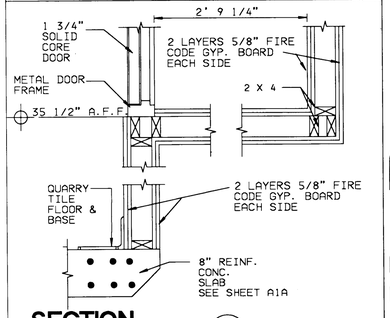
DETAIL

SCALE: 1"=1'-0" (7 / A1)



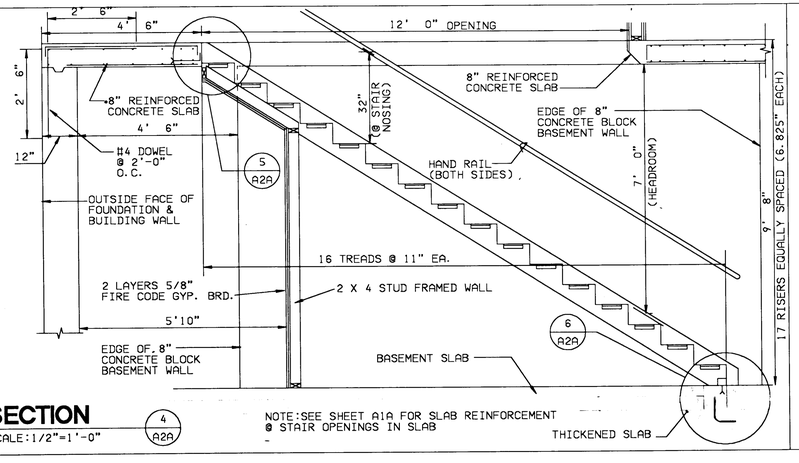
DETAIL

SCALE: 1" = 1'-0" (8 / A1)


2' 9 1/4"
1 3/4" SOLID CORE DOOR
2 LAYERS 5/8" FIRE CODE GYP. BOARD EACH SIDE
METAL DOOR FRAME
2 X 4
35 1/2" A.F.F.
QUARRY TILE FLOOR & BASE
2 LAYERS 5/8" FIRE CODE GYP. BOARD EACH SIDE
8" REINF. CONC. SLAB SEE SHEET A1A

SECTION

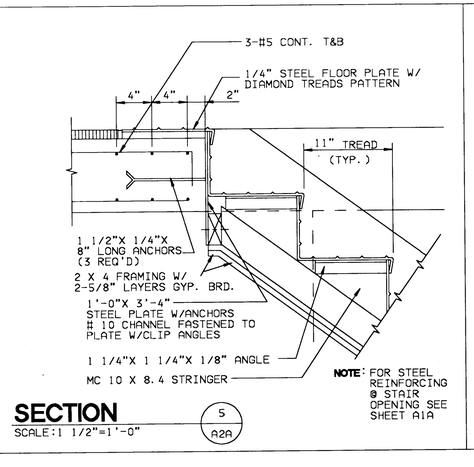
SCALE: 1" = 1'-0" (2 / A3)



SECTION

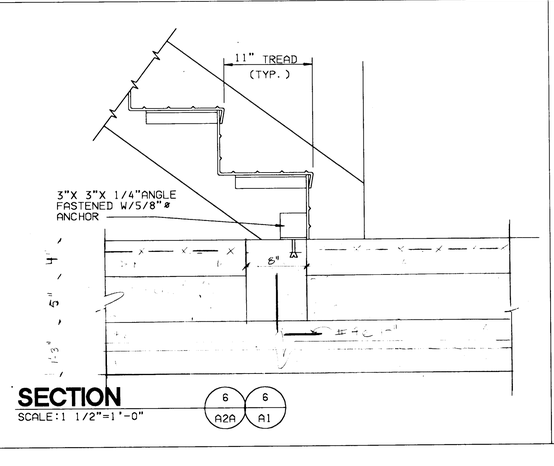
SCALE: 1/2"=1'-0" (4 / A2A)

NOTE: SEE SHEET A1A FOR SLAB REINFORCEMENT @ STAIR OPENINGS IN SLAB


3-#5 CONT. T&B
1/4" STEEL FLOOR PLATE W/ DIAMOND TREADS PATTERN
4" 4" 2"
11" TREAD (TYP.)
1 1/2"X 1/4"X 8" LONG ANCHORS (3 REQ'D)
2 X 4 FRAMING W/ 2-5/8" LAYERS GYP. BRD.
1'-0"X 3'-4" STEEL PLATE W/ANCHORS #10 CHANNEL FASTENED TO PLATE W/CLIP ANGLES
1 1/4"X 1 1/4"X 1/8" ANGLE
MC 10 X 8.4 STRINGER
NOTE: FOR STEEL REINFORCING @ STAIR OPENING SEE SHEET A1A

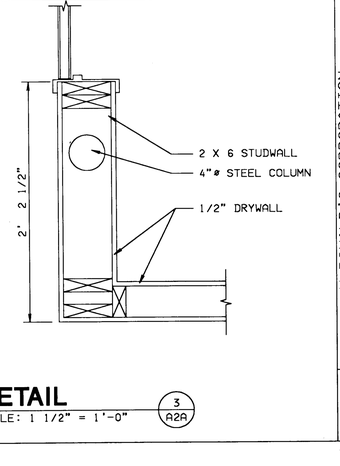
SECTION

SCALE: 1 1/2"=1'-0" (5 / A2A)



SECTION

SCALE: 1 1/2"=1'-0" (6 A2A / 6 A1)



DETAIL

SCALE: 1 1/2" = 1'-0" (3 / A2A)

REV	DATE	DESCRIPTION	BY
1	01FEB90	CODE UPDATE & STRUCTURAL CHANGES	JJC

ISSUE REF: —

UNITS OF MEASURE: INCH

SCALE: —

VIEW CONVENTION

REGISTERED ARCHITECT — No. 44956 — STATE OF ILLINOIS

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS: BRANDON - CRESTWOOD STREET

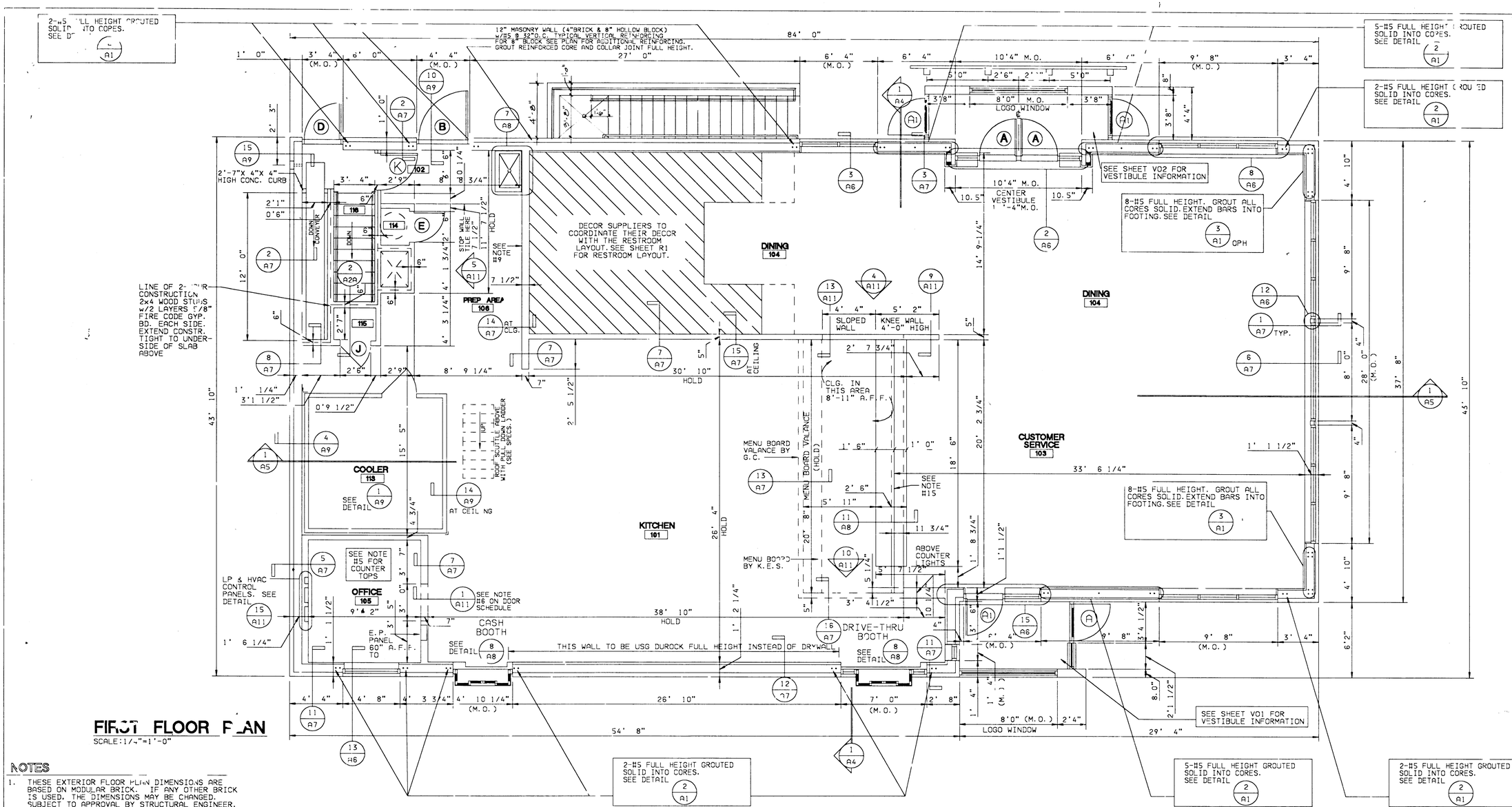
McDONALD'S CORPORATION
OAK BROOK, ILLINOIS 60521

TITLE: 37-84/89 BASEMENT

DRAWN BY	MATERIAL / DESCRIPTION	CHECKED BY	DATE CHECKED
JRW		MRR	30AUG89
DATE DRAWN		APPROVED BY	DATE APPROVED
01AUG89		—	30AUG89
DRAWING ID		ISSUE REF	DATE ISSUED
9BM - 3784BS		—	01SEP89

SHEET NO. A2A

MCD104 (01FEB89)


12" MASONRY WALL (4"BRICK & 8" HOLLOW BLOCK) W/#5 @ 32"O.C. TYPICAL VERTICAL REINFORCING FOR 8" BLOCK SEE PLAN FOR ADDITIONAL REINFORCING. GROUT REINFORCED CORE AND COLLAR JOINT FULL HEIGHT.
2-#5 FULL HEIGHT GROUTED SOLID INTO CORES. SEE DETAIL
5-#5 FULL HEIGHT GROUTED SOLID INTO CORES. SEE DETAIL
2-#5 FULL HEIGHT GROUTED SOLID INTO CORES. SEE DETAIL
LINE OF 2-HOUR CONSTRUCTION 2x4 WOOD STUDS w/2 LAYERS 5/8" FIRE CODE GYP. BD. EACH SIDE. EXTEND CONSTR. TIGHT TO UNDER-SIDE OF SLAB ABOVE
2'-7"X 4"X 4" HIGH CONC. CURB
DECOR SUPPLIERS TO COORDINATE THEIR DECOR WITH THE RESTROOM LAYOUT. SEE SHEET R1 FOR RESTROOM LAYOUT.
DINING 104
PREP AREA 106
KITCHEN 101
COOLER 118
OFFICE 105
CASH BOOTH
DRIVE-THRU BOOTH
CUSTOMER SERVICE 103
DINING 104
SLOPED WALL
KNEE WALL 4'-0" HIGH
CLG. IN THIS AREA 8'-11" A.F.F.
MENU BOARD VALANCE BY G.C.
MENU BOARD (HOLD)
MENU BOARD BY K.E.S.
ABOVE COUNTER LIGHTS
8'0" M.O. LOGO WINDOW
SEE SHEET V02 FOR VESTIBULE INFORMATION
8-#5 FULL HEIGHT. GROUT ALL CORES SOLID. EXTEND BARS INTO FOOTING. SEE DETAIL
SEE SHEET V01 FOR VESTIBULE INFORMATION
LP & HVAC CONTROL PANELS. SEE DETAIL
SEE NOTE #5 FOR COUNTER TOPS
E.P. PANEL 80" A.F.F. TO
THIS WALL TO BE USG DUROCK FULL HEIGHT INSTEAD OF DRYWALL
SEE NOTE #9
SEE NOTE #15
SEE NOTE #6 ON DOOR SCHEDULE
SEE DETAIL 14/A11
SEE NOTE #1.2
SEE NOTE #1
SEE SHEET R1
SEE DETAIL 1/A9
AT CEILING
AT CLG.
HOLD
TYP.
OPH
84' 0"
27' 0"
43' 10"
54' 8"
26' 10"
38' 10"
30' 10"
29' 4"

FIRST FLOOR PLAN

SCALE: 1/4"=1'-0"

NOTES

1. THESE EXTERIOR FLOOR PLAN DIMENSIONS ARE BASED ON MODULAR BRICK. IF ANY OTHER BRICK IS USED, THE DIMENSIONS MAY BE CHANGED. SUBJECT TO APPROVAL BY STRUCTURAL ENGINEER.
2. INTERIOR DIMENSIONS ARE FROM FINISHED SURFACE TO FINISHED SURFACE UNLESS OTHERWISE NOTED.
3. N.A.
4. SEE SHEET A11 FOR BACK UP SUPPORTS.
5. G.C. TO CUT LAMINATE COUNTER TOP TO FIT, SUPPLIED & INSTALLED BY K.E.S. TRIM AS REQUIRED BY G.C.
6. IF VESTIBULES ARE USED, SEE SHEETS V1 & V2 FOR REVISED FLOOR PLAN.
7. VIDEO CABINET & LOCKERS TO BE PROVIDED BY OPERATOR. SEE SHEET A12.
8. MORTAR TO BE TYPE M OR TYPE S FOR 8" MASONRY BLOCK AND TYPE N FOR 4" FACE BRICK.
9. USE USG INTERIOR DUROCK BOARD IN THESE AREAS.
10. FOR LOCATION AND SIZE OF PARAPLEGIC RAMP AND PERIMETER WALK LAYOUT SEE SITE PLAN AND SLAB PLAN.
11. N.A.
12. USE MOISTURE RESISTANT GYPSUM BOARD IN THESE AREAS.
13. WALL REINFORCEMENT : AVOID ENCROACHMENT W/LINTEL BEARING PLATES. GROUT ALL CORES SOLID AT ALL VERTICAL STEEL PLACEMENT. SEE DETAILS..... (3/A1) (2/A1)
14. N.A.
15. SEPARATION LINE BETWEEN KITCHEN AND CUSTOMER SERVICE FLOOR TILE.
16. N.A.
17. USE USG INTERIOR DUROCK ON ALL INTERIOR WALLS AND EXTERIOR WALLS WITH FURRING TO 12" ABOVE SLAB.

DOOR AND HARDWARE SCHEDULE

MARK	LEAF SIZE	TYPE: ALUM./GLASS	TYPE: STEEL	TYPE: WOOD (SOLID)	TYPE: LOUVERED/WOOD	FRAME: ALUMINUM	FRAME: STEEL	FRAME: WOOD	HINGE: BUTT SPRING HNG	HINGE: PIVOT (CENTER HUNG)	LATCH CATCH: BUTT	LATCH CATCH: MID-PANEL	LATCH CATCH: PRIVACY	LATCH CATCH: STOR. RM. FUNC.	LATCH CATCH: SELF CLOSE	LATCH CATCH: DOOR STOP	LATCH CATCH: PUSH/PULL	ACCESSORIES: GLASS HALF-LITE	ACCESSORIES: ROOM SIGN	ACCESSORIES: THRESHOLD	ACCESSORIES: WEATHERSTRIP	ACCESSORIES: VIEWER	ACCESSORIES: BUZZER	ACCESSORIES: KICK PLATE	ACCESSORIES: JIMMY PLATE	REMARKS
A	3'-0" X 7'-0"	•				•				•		•			•					•	•					PANIC HARDWARE A11:NO MID PANEL
B	4'-0" X 7'-0"		•				•				•				•					•	•	•			•	SEE NOTES #1, 7&9
C	3'-0" X 6'-8"			o			o				o				o			o								
D	3'-0" X 7'-0"		•				•				•				•					•	•	•			•	SEE NOTES #1, 7&9
E	SEE DETAIL 5/A11			•			o				o			•												SEE DETAIL 14/A11
F	3'-0" X 6'-8"			o			o				•				•	•	•		•						•	SEE NOTE #6 & #8 & SEE SHEET R1
G	2'-0" X 6'-8"				•		•				•				•											SEE SHEET R1
H	STALL DOOR			o			•				•	•				•										SEE SHEET R1
I	2'-6"X 6'-8"			o			o				o				•											SEE DETAIL 14/A11
J	2'-6"X 3'-0"			o			o				o															
K	3'-0" X 6'-8"		o				o				o				o											B LABEL FIRE DOOR ASSEMBLY w/PANIC HARDWARE

NOTES:
1. MCDONALD'S SPECIAL SECURITY LOCKSET DETEX EA2510F DOOR ALARM AND MAGNETIC SWITCH. SUPPLIED BY: C.A. RICHEY INC. 24155 DRAKE ROAD FARMINGTON, MICHIGAN 48024
2. DOOR CLOSER MANUFACTURER: LCN.
3. LOCKSET MANUFACTURERS: BEST, SCHLAGE, AND YALE
4. LOCKSET: SCHLAGE B46, P W/PULL PLATE 36-016 & JIMMY PLATE.
5. LOCKSETS ON BOTH RESTROOM DOORS TO BE DEADBOLTS KEYED TO BOTH SIDES OF DOORS.
6. IF DOOR IS USED, IT SHOULD HAVE LOUVERED AREA OF 576 SQ. IN. MINIMUM.
7. ON LOADING DOORS, USE (3) BUTT HINGES AND (1) HAGER #253 PIVOT HINGE
8. PROVIDE HANDICAPPED SYMBOL SIGN ON DOOR.
9. DOOR FRAME TO BE PREPPED PER A.N.S.I. A115.2 FRAME PREPARATION W/O STRIKE UP.

ROOM FINISH SCHEDULE

REFERENCE NUMBER	NAME	FLOOR: SEALED CONCRETE	FLOOR: QUARRY TILE	BASE: ABRASIVE QUARRY TILE	BASE: VINYL	BASE: QUARRY TILE	WALLS: F.R.P.	WALLS: MASONRY(SEALED)	WALLS: DRYWALL	WALLS: PAINTED	WALLS: MARLITE PANELING	WALLS: CERAMIC TILE	WALLS: WALLPAPER	CEILING: SUSPENDED	CEILING: ACOUSTIC LAY-IN	CEILING: VINYLROCK LAY-IN	CEILING: DAYWALL (FURRED)	CEILING: CONCRETE	TRIM: STAIN	TRIM: PAINT	DOOR: LAMINATE	DOOR: ALUMINUM	DOOR: STAIN	DOOR: PAINT	CEILING HEIGHT A.F.F.	REMARKS
101	KITCHEN					•						•		•						•					8'-9" / 8'-11"	SEE NOTE #4
102	UTILITY AREA			o		o		o	o	o				o		o				•					8'-9"	
103	CUSTOMER SERVICE	o				•						•		•	•				•						8'-9"	SEE NOTE #1.2
104	DINING	•				•						•		•		•				•					8'-9"	SEE NOTE #1.2
105	OFFICE			•		•	•							•						•					8'-9"	SEE NOTE #1
106	FOOD PREPARATION			•		•						•		•						•					8'-9"	
107	DRESSING ROOM			•		•	•							•		o				o	•				8'-9"	
108	CREW ROOM	•				•						•		•	•					•					8'-9"	SEE NOTE #1, 2, 3
109	STORAGE	•			•			o	o	•				o		•				•				•	8'-9"	
110	UTILITY AREA			o		o		o	o	•										•						
111	REST ROOMS (M&W)	•				•						•		•		•				•				•	8'-9"	SEE SHEET R1
112	JAN. CLOSET	•				•				•	•			•		•				•				•	8'-0"	SEE SHEET R1
113	COOLER			o		o																				
114	LOCKABLE STORAGE			•		•				•	•					•				o					8'-9"	
115	LOCKABLE STORAGE			•		•				•	o					o				o					8'-9"	
116	STAIR/CONVEYOR	o						o	o	o				o		o				•				•	8'-9"	

ROOM FINISH NOTES

1. IN THE CREW ROOM, CUSTOMER SERVICE, AND DINING AREAS MARLITE PANELING SHALL BE SIMULATED WOOD GRAIN, INSTALLED OVER 1/2" DRYWALL. IN OFFICE, MARLITE PANELING SHALL BE FIBERGLASS REINFORCED PANELS.
2. THE CONTRACTOR SHALL FIGURE IN HIS BID $15.00 PER ROLL OF WALLPAPER PLUS THE COST OF INSTALLATION OF THE PAPER. IF AN ALTERNATE IS USED, THE CONTRACTOR SHALL CREDIT $15.00 PER ROLL TOWARD ANY EXTRA COST OF THIS ALTERNATE. (A ROLL IS CONSIDERED 5 1/3 YARDS LONG BY 27" WIDE.)
3. CREW ROOM DECOR TO MATCH DECOR OF DINING AREA. SEATING SUPPLIER TO FURNISH FLOOR PLAN, ELEVATION, AND SPECIFICATIONS FOR CREW ROOM DECOR.
4. CEILING HEIGHT BETWEEN ARMLE COUNTER LIGHTING VALANCE AND MENU BOARD AT 8'-11" A.F.F. SEE DETAILS (13/A7) (16/A7) (18/A7) (4/A11) (8/A11) (10/A11)

MASONRY SCHEDULE
(COMPRESSIVE STRENGTH)

FOUNDATION WALL	BLOCK	2500 PSI
BUILDING WALL	BLOCK	2500 PSI
BUILDING WALL	FACE BRICK	4000 PSI

REV	DATE	DESCRIPTION	BY	ISSUE REF
1	DIFEB90	CODE UPDATE & STRUCTURAL CHANGES	JJC	
2	05 MAY 89	ADDITIONAL DETAILS & DIMENSIONS		

UNITS OF MEASURE: INCH
SCALE:

REGISTERED ARCHITECT — COMMONWEALTH OF MASSACHUSETTS — NO. 8106 — ROCKPORT, MASS.

McDonald's®
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

LOCAL ADDRESS

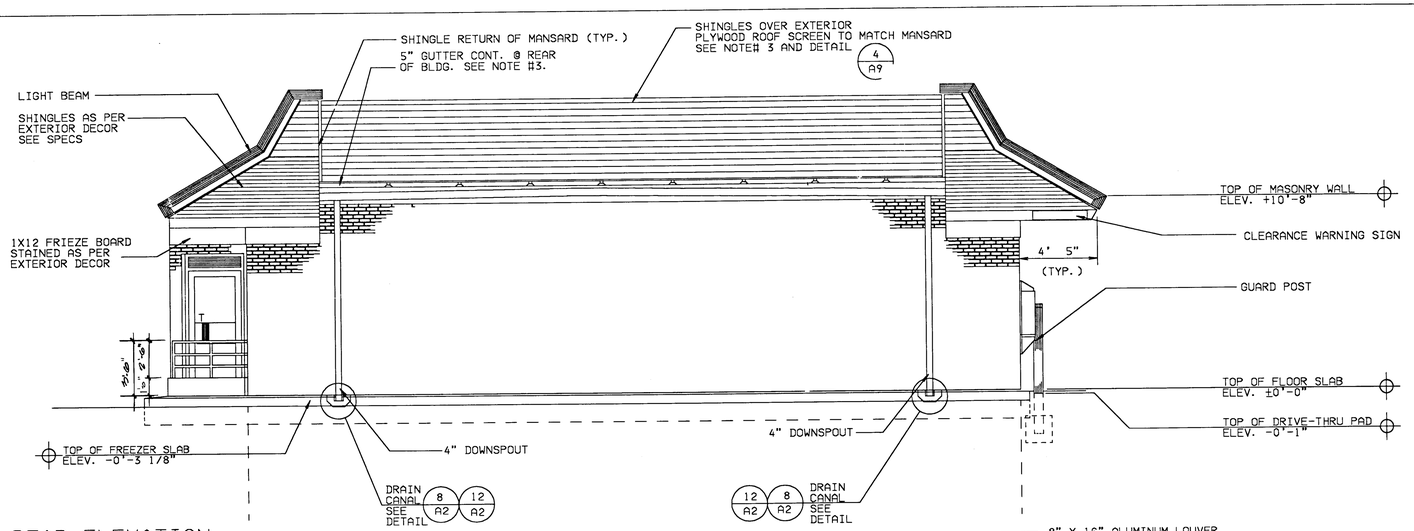
McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE: 37-84/89 BASEMENT
DRAWN BY: JRW
DATE DRAWN: 01SEP89
DRAWING NO: 98M-3784BS

DATE CHECKED: 30AUG89
CHECKED BY: MAR
DATE APPROVED: 01SEP89
APPROVED BY:
DATE ISSUED: 01SEP89
ISSUE REF:

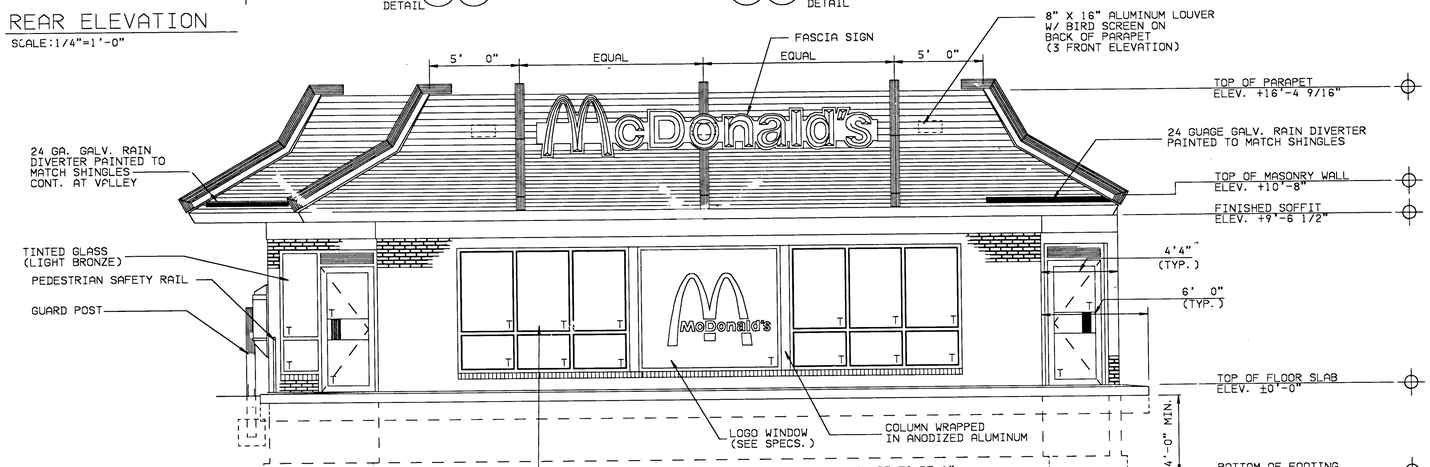
MATERIAL / DESCRIPTION: 26 PSF WIND LOAD

SHEET NO. A03
26 PSF WIND LOAD


SHINGLE RETURN OF MANSARD (TYP.)
5" GUTTER CONT. @ REAR OF BLDG. SEE NOTE #3.
SHINGLES OVER EXTERIOR PLYWOOD ROOF SCREEN TO MATCH MANSARD SEE NOTE# 3 AND DETAIL 4/A9
LIGHT BEAM
SHINGLES AS PER EXTERIOR DECOR SEE SPECS
1X12 FRIEZE BOARD STAINED AS PER EXTERIOR DECOR
TOP OF MASONRY WALL ELEV. +10'-8"
CLEARANCE WARNING SIGN
4' 5" (TYP.)
GUARD POST
TOP OF FLOOR SLAB ELEV. ±0'-0"
TOP OF DRIVE-THRU PAD ELEV. -0'-1"
TOP OF FREEZER SLAB ELEV. -0'-3 1/8"
4" DOWNSPOUT
4" DOWNSPOUT
DRAIN CANAL SEE DETAIL 8/A2 12/A2
DRAIN CANAL SEE DETAIL 12/A2 8/A2

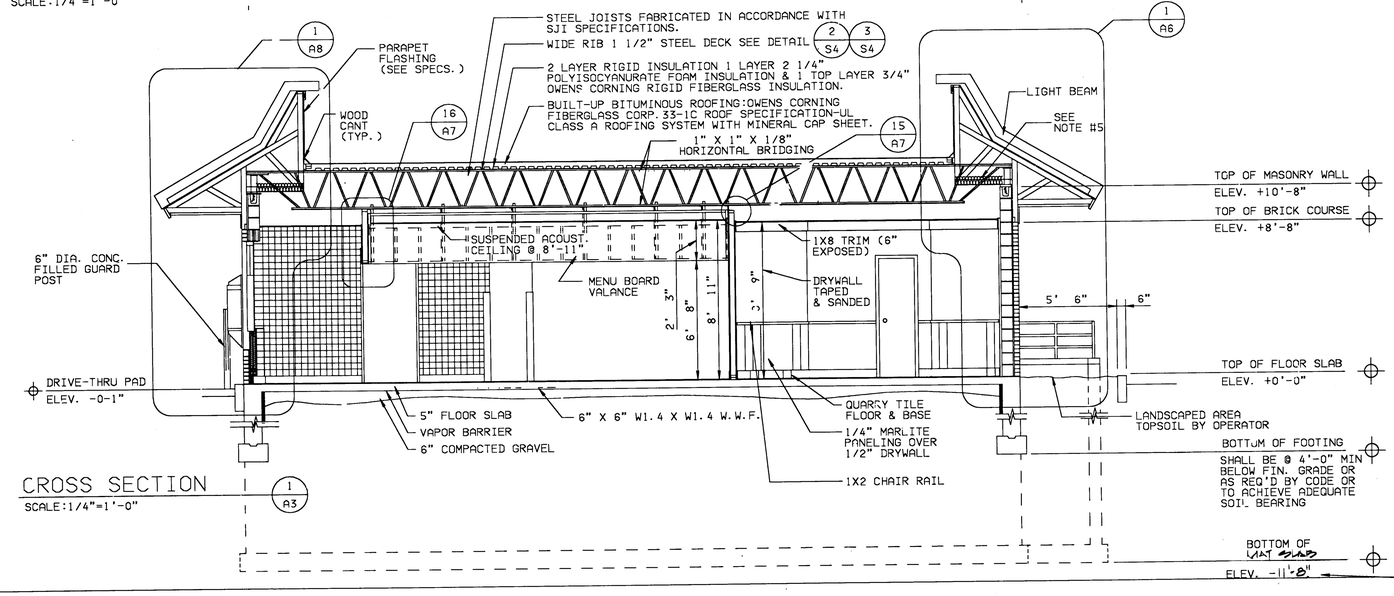
REAR ELEVATION

SCALE:1/4"=1'-0"


8" X 16" ALUMINUM LOUVER W/ BIRD SCREEN ON BACK OF PARAPET (3 FRONT ELEVATION)
5' 0"
EQUAL
FASCIA SIGN
EQUAL
5' 0"
McDonald's
TOP OF PARAPET ELEV. +16'-4 9/16"
24 GA. GALV. RAIN DIVERTER PAINTED TO MATCH SHINGLES CONT. AT VALLEY
24 GUAGE GALV. RAIN DIVERTER PAINTED TO MATCH SHINGLES
TOP OF MASONRY WALL ELEV. +10'-8"
FINISHED SOFFIT ELEV. +9'-6 1/2"
TINTED GLASS (LIGHT BRONZE)
PEDESTRIAN SAFETY RAIL
GUARD POST
4'4" (TYP.)
6' 0" (TYP.)
TOP OF FLOOR SLAB ELEV. ±0'-0"
LOGO WINDOW (SEE SPECS.)
COLUMN WRAPPED IN ANODIZED ALUMINUM
4'-0" MIN.
BOTTOM OF FOOTING SHALL BE 4'-0" BELOW FIN. GRADE OR AS REQUIRED BY LOCAL CODE OR TO ACHIEVE ADEQUATE SOIL BEARING.
ON FRONT ELEVATION, ALL WINDOW SECTIONS ARE TO BE 1" INSULATED GLASS. ON SIDE ELEVATIONS, UPPER SECTIONS ARE 1" INSULATED GLASS AND LOWER SECTIONS TO BE LOGO PANEL INSERTS. (SEE SPECS) "T" DENOTES TEMPERED.

FRONT ELEVATION

SCALE:1/4"=1'-0"


1/A8
PARAPET FLASHING (SEE SPECS.)
STEEL JOISTS FABRICATED IN ACCORDANCE WITH SJI SPECIFICATIONS.
WIDE RIB 1 1/2" STEEL DECK SEE DETAIL 2/S4 3/S4
2 LAYER RIGID INSULATION 1 LAYER 2 1/4" POLYISOCYANURATE FOAM INSULATION & 1 TOP LAYER 3/4" OWENS CORNING RIGID FIBERGLASS INSULATION.
BUILT-UP BITUMINOUS ROOFING:OWENS CORNING FIBERGLASS CORP. 33-1C ROOF SPECIFICATION-UL CLASS A ROOFING SYSTEM WITH MINERAL CAP SHEET.
1" X 1" X 1/8" HORIZONTAL BRIDGING
15/A7
16/A7
WOOD CANT (TYP.)
1/A6
LIGHT BEAM
SEE NOTE #5
TOP OF MASONRY WALL ELEV. +10'-8"
TOP OF BRICK COURSE ELEV. +8'-8"
SUSPENDED ACOUST. CEILING @ 8'-11"
1X8 TRIM (6" EXPOSED)
MENU BOARD VALANCE
DRYWALL TAPED & SANDED
2' 3"
6' 8"
8' 11"
3' 9"
5' 6"
6"
6" DIA. CONC. FILLED GUARD POST
DRIVE-THRU PAD ELEV. -0-1"
TOP OF FLOOR SLAB ELEV. +0'-0"
5" FLOOR SLAB
VAPOR BARRIER
6" COMPACTED GRAVEL
6" X 6" W1.4 X W1.4 W.W.F.
QUARRY TILE FLOOR & BASE
1/4" MARLITE PANELING OVER 1/2" DRYWALL
1X2 CHAIR RAIL
LANDSCAPED AREA TOPSOIL BY OPERATOR
BOTTOM OF FOOTING SHALL BE @ 4'-0" MIN BELOW FIN. GRADE OR AS REQ'D BY CODE OR TO ACHIEVE ADEQUATE SOIL BEARING
BOTTOM OF SLAB ELEV. -11'-8"
OR AS REQUIRED TO ACHIEVE ADEQUATE SOIL BEARING

CROSS SECTION

SCALE:1/4"=1'-0" 1/A3

NOTES:

1. BRICK TO BE LIGHT IN COLOR. TO BE CHOSEN BY MCDONALD'S CONSTRUCTION ENGINEER.
2. WHEN SPECIAL EXTERIORS ARE SELECTED COLOR SCHEMES ARE TO BE TAKEN FROM THE BUILDING EXTERIOR DESIGN AND COLOR GUIDE.
3. FINISH TO BE LIGHT IN COLOR AND COORDINATED WITH TRIM.
4. ALL WOOD IN CONTACT W/ CONC. SLAB OR FOUNDATION WALLS AND ALL WOOD ON ROOF DECK TO BE PRESSURE TREATED TO RESIST WATER & INSECT DAMAGE.
5. 6" FIBERGLASS INSULATION MECHANICALLY SECURED TO NAILERS FASTENED TO THE OUTRIGGERS. SEE DETAILS 1/A6 1/A7
6. SOFFIT SHOULD BE PAINTED WHITE OR LIGHT COORDINATED COLOR.
7. INSTALL METAL ROOF DECK AND ALL STRUCTURAL STEEL PRIOR TO INSTALLING MANSARDS.
8. N.A.
9. ALL WALLS TO BE BRACED DURING CONSTRUCTION PER MASONRY INSTITUTE RECOMMENDATIONS.
10. THE MASONRY CONSTRUCTION MUST BE INSPECTED AS OUTLINED IN THE A.C.I. 531-79 (REV. 1983).
11. USE STANDARD TYPE 9 GAUGE HORIZONTAL LADUR TYPE REINFORCEMENT FOR 12" CMU WALL EVERY OTHER COURSE.

REV	DATE	DESCRIPTION	BY	ISSUE REF
1	01FEB89	CODE UPDATE & STRUCTURAL CHANGES	JJC	-1-
2	10JAN89	DIMENSIONS ADDED TO REAR ELEV.	CPT	
3	7JUL88	BOTTOM OF MANSARD ELEV.	F. FIT.	

VIEW CONVENTION | DATE | SCALE | UNITS OF MEASURE: INCH

REGISTERED ARCHITECT — COMMONWEALTH OF MASSACHUSETTS — No. 4196 — HINGHAM, MASS.

McDonald's®

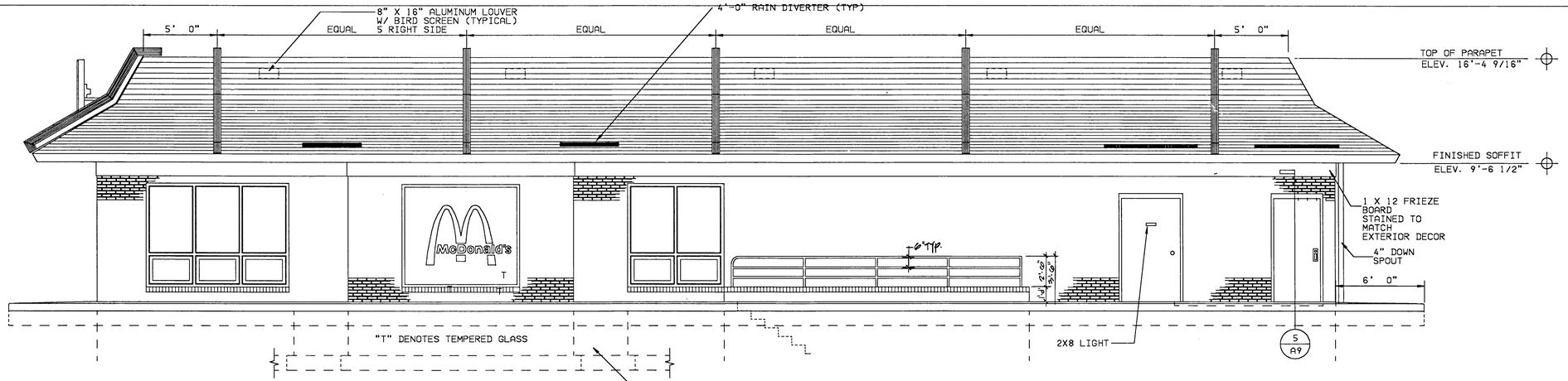
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS: BRAINTREE - CROSSWAY STREET

TITLE	McDONALD'S CORPORATION, KROC DRIVE, OAK BROOK, ILLINOIS 60521
37-84/89	BASEMENT
DRAWN BY: JMS	CHECKED BY: MAR
DATE DRAWN: 01AUG88	APPROVED BY:
DRAWING: 9BM-3784BS	ISSUE REF: -1-
MATERIAL / DESCRIPTION	DATE CHECKED: 30AUG89
	DATE APPROVED: 30AUG89
	DATE ISSUED: 01SEPT89

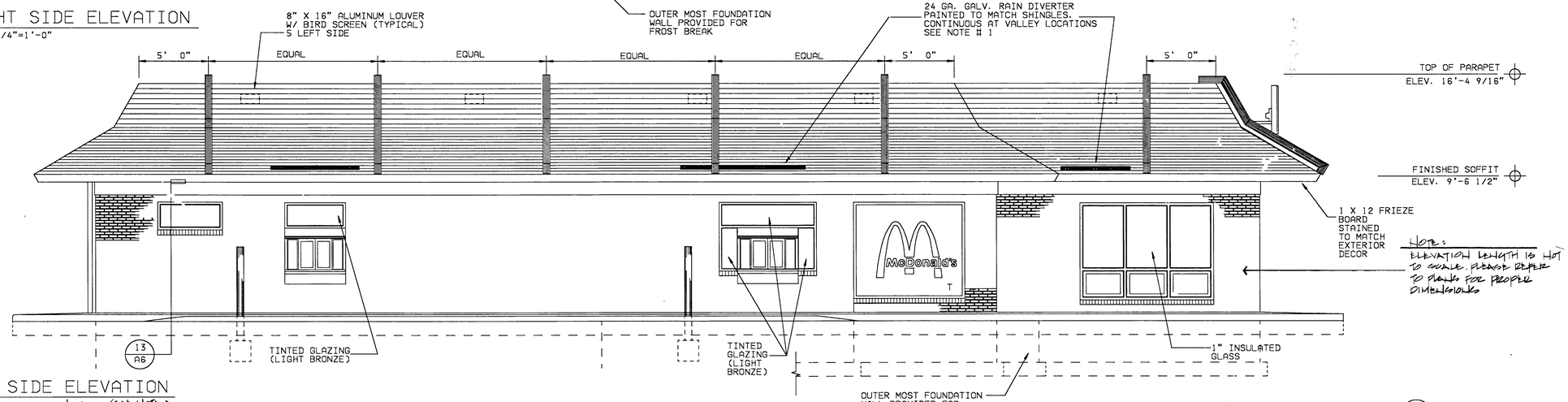
SHEET NO. A04

MCD104 (01FEB89)



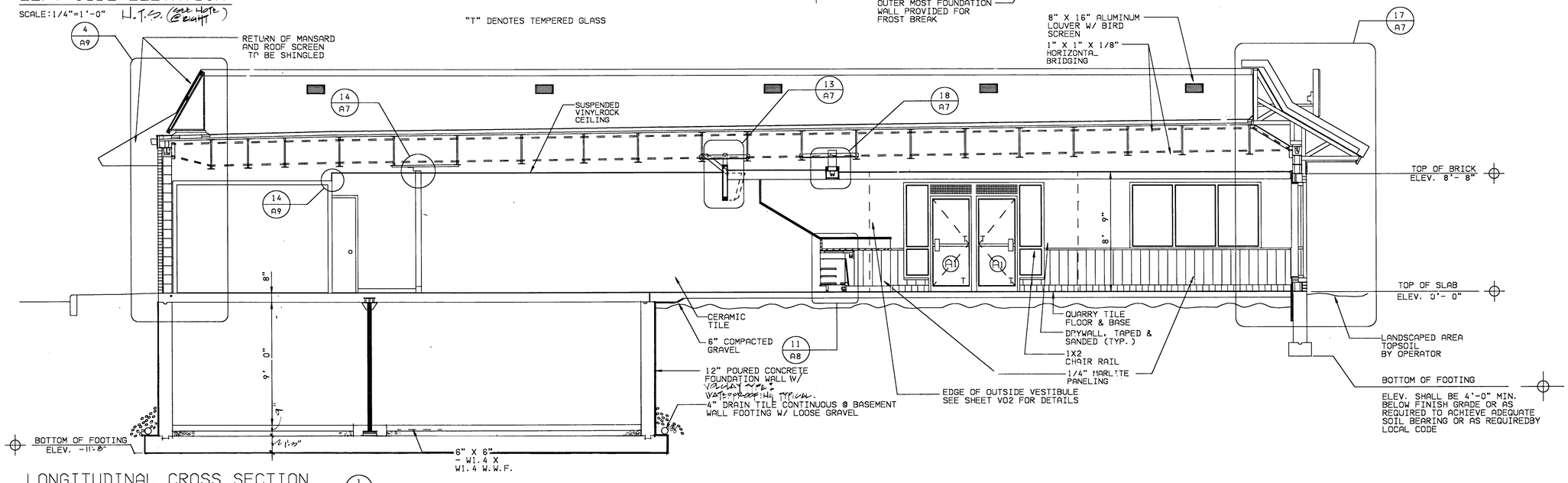
RIGHT SIDE ELEVATION

SCALE: 1/4"=1'-0"



LEFT SIDE ELEVATION

SCALE: 1/4"=1'-0" H.T.S. (See Note Eight)



LONGITUDINAL CROSS SECTION

SCALE: 1/4"=1'-0"

1
A3

NOTES

1. EXTEND RAIN DIVERTERS 1'-0" MIN. BEYOND OPENINGS IN WALL BELOW
2. "T": DESIGNATES TEMPERED GLASS.
3. ✱ INSTALL COUNTERSUNK SHEET METAL SCREWS ON THE VERTICAL STOPS OF THE MID-PANEL DOORS AND THE SMALL WINDOWS AROUND THE DRIVE - THRU BOOTHS. USE ONE SCREW PER STOP WITH COLOR TO MATCH DARK BRONZE STOP.

REV	DATE	DESCRIPTION	BY
1	OIFEB90	CODE UPDATE & STRUCTURAL CHANGES	JJC
2	6-01-90	DIMENSIONAL CHANGES - EXT WALL	TFT
3	7-16-90	ADDITION OF MAT SLAB	TFT

VIEW CONVENTION | SCALE | UNITS OF MEASURE: INCH

REGISTERED ARCHITECT — DONALD RAMEY JONES — No. 14956 — ARCHITECT — STATE OF WASHINGTON

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS _____ PROTOTYPICAL - REMODEL STREET

McDONALD'S CORPORATION
ARC DRIVE
OAK BROOK, ILLINOIS 60521

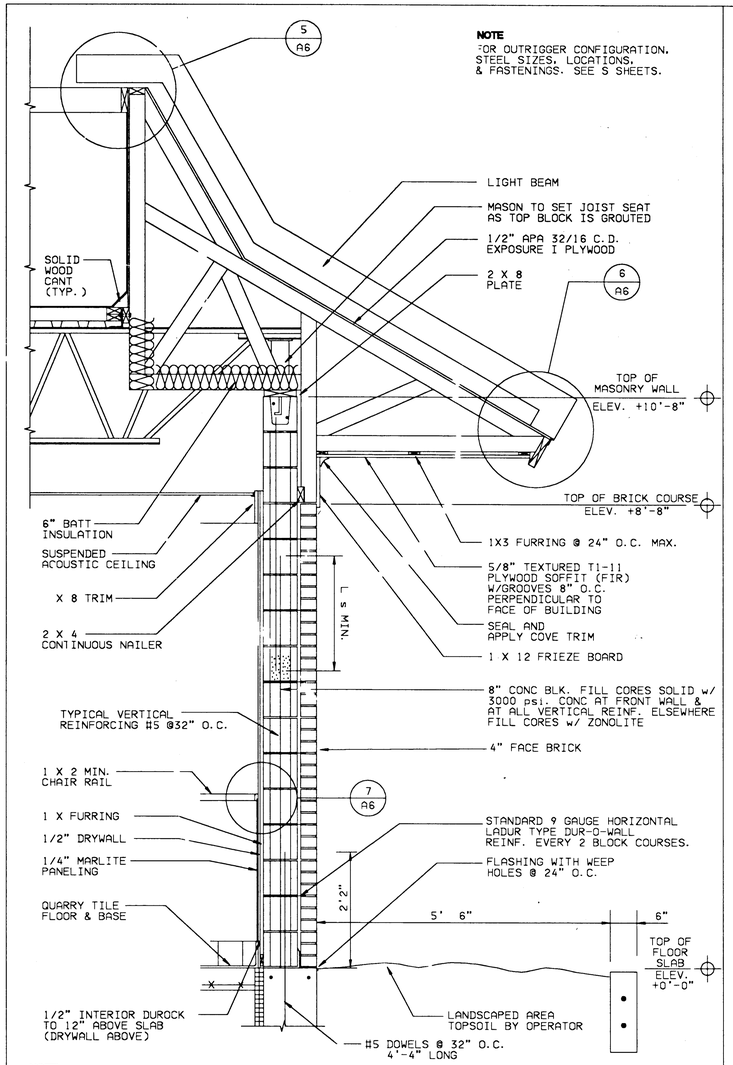
TITLE 37-84/89 BASEMENT

DRAWN BY	MATERIAL / DESCRIPTION	CHECKED BY	DATE CHECKED
RLF		MAR	30AUG89
DATE DRAWN		APPROVED BY	DATE APPROVED
01AUG89			30AUG89
DRAWING ID		ISSUE REF	DATE ISSUED
9BM - 37845		—/—	01SEP89

SHEET NO. 13 — A05

MCD104 (01FEB89)

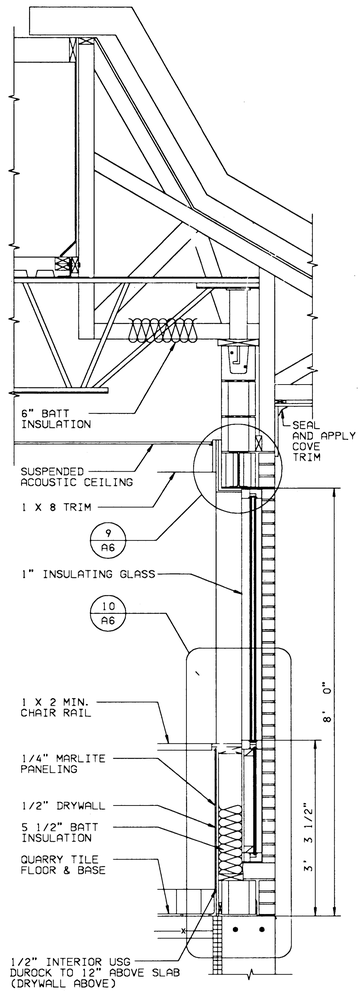
NOTE
FOR OUTRIGGER CONFIGURATION, STEEL SIZES, LOCATIONS, & FASTENINGS. SEE S SHEETS.


5 A6
LIGHT BEAM
MASON TO SET JOIST SEAT AS TOP BLOCK IS GROUTED
1/2" APA 32/16 C.D. EXPOSURE I PLYWOOD
SOLID WOOD CANT (TYP.)
2 X 8 PLATE
6 A6
TOP OF MASONRY WALL ELEV. +10'-8"
TOP OF BRICK COURSE ELEV. +8'-8"
6" BATT INSULATION
SUSPENDED ACOUSTIC CEILING
1X3 FURRING @ 24" O.C. MAX.
5/8" TEXTURED T1-11 PLYWOOD SOFFIT (FIR) W/GROOVES 8" O.C. PERPENDICULAR TO FACE OF BUILDING
X 8 TRIM
L s MIN.
2 X 4 CONTINUOUS NAILER
SEAL AND APPLY COVE TRIM
1 X 12 FRIEZE BOARD
8" CONC BLK. FILL CORES SOLID w/ 3000 psi. CONC AT FRONT WALL & AT ALL VERTICAL REINF. ELSEWHERE FILL CORES w/ ZONOLITE
TYPICAL VERTICAL REINFORCING #5 @32" O.C.
4" FACE BRICK
1 X 2 MIN. CHAIR RAIL
7 A6
1 X FURRING
1/2" DRYWALL
1/4" MARLITE PANELING
STANDARD 9 GAUGE HORIZONTAL LADUR TYPE DUR-O-WALL REINF. EVERY 2 BLOCK COURSES.
FLASHING WITH WEEP HOLES @ 24" O.C.
QUARRY TILE FLOOR & BASE
2'2"
5' 6"
6"
TOP OF FLOOR SLAB ELEV. +0'-0"
1/2" INTERIOR DUROCK TO 12" ABOVE SLAB (DRYWALL ABOVE)
LANDSCAPED AREA TOPSOIL BY OPERATOR
#5 DOWELS @ 32" O.C. 4'-4" LONG

NOTE
SEE SHEET A2 FOR FOUNDATION DETAIL

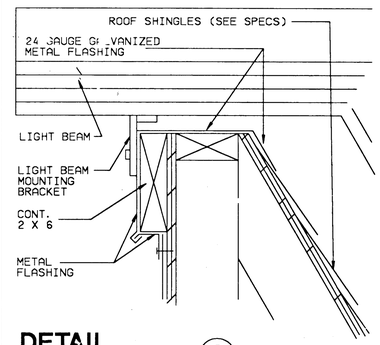
MIN. EMBEDMENT LENGTH & LAP SPLICE			
BAR SIZE	L d MIN.	L s MIN.	L n MIN.
#4	BAR JUST HOOK INTO FOOTING	20"	7"
#5		26"	9"
#6		32"	10"

SECTION
SCALE: 3/4"=1'-0" (1 A4)



NOTE
SEE SHEET A2 FOR FOUNDATION DETAIL

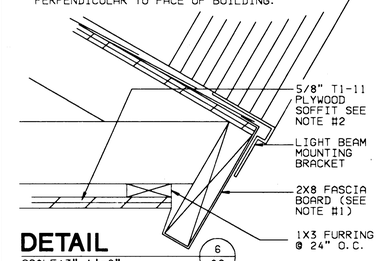
SECTION
SCALE: 3/4"=1'-0" (3 A3) (3 A6)



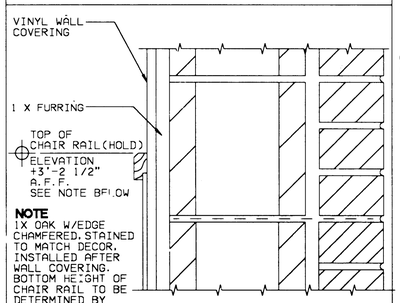
DETAIL
SCALE: 3"=1'-0" (5 A6)

DETAIL NOTES

1. FOR BUILDINGS WITH MASONRY EXTERIORS WRAP 2X8 FASCIA BOARD WITH 24 GA. GALV. METAL FLASHING PAINTED TO MATCH TRIM. FOR BUILDINGS WITH WOOD EXTERIORS FASCIA TO BE 2X8 ROUGH SAWN CEDAR STAINED TO MATCH TRIM.
2. 5/8" T1-11 PLYWOOD SOFFIT TO BE FIR & GROOVED @ 8"O.C. GROOVES TO BE PERPENDICULAR TO FACE OF BUILDING.

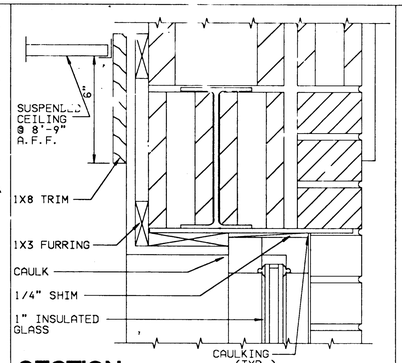


DETAIL
SCALE: 3"=1'-0" (6 A6)

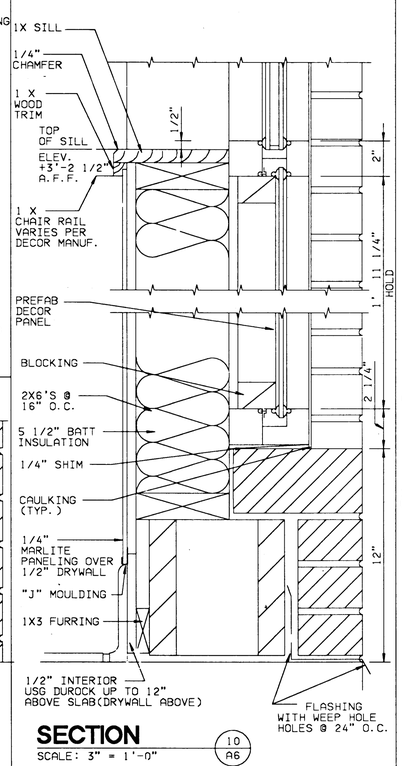


NOTE
1X OAK W/EDGE CHAMFERED, STAINED TO MATCH DECOR, INSTALLED AFTER WALL COVERING. BOTTOM HEIGHT OF CHAIR RAIL TO BE DETERMINED BY DECOR MANUFACTURER. (INSTALLED BY G.C.)

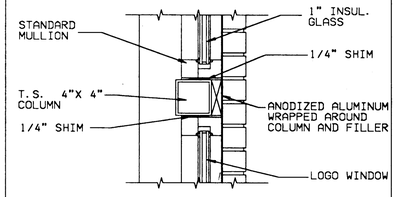
DETAIL
SCALE: 3"=1'-0" (7 A6)



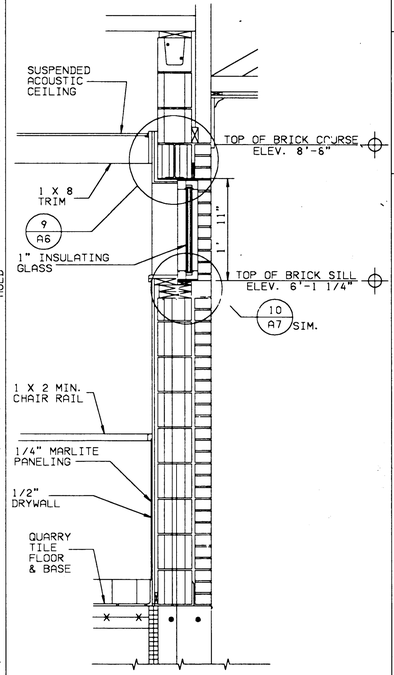
SECTION
SCALE: 3" = 1'-0" (9 A6)



SECTION
SCALE: 3" = 1'-0" (10 A6)

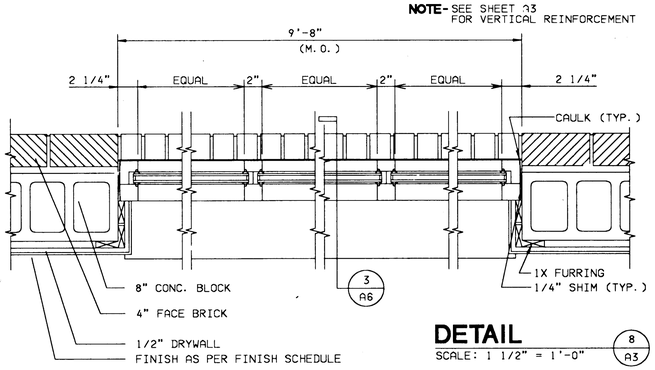


DETAIL
SCALE: 1 1/2"=1'-0" (12 A3)

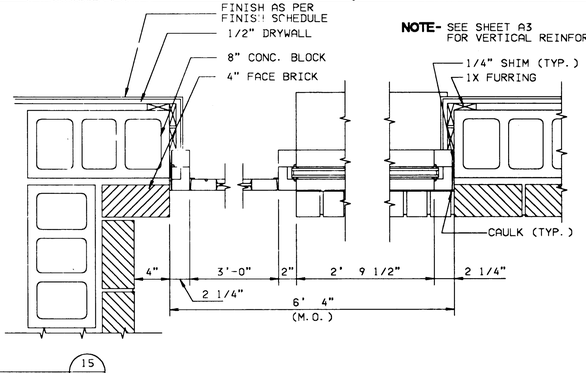


NOTE
SEE SHEET A2 FOR FOUNDATION DETAILS

SECTION
SCALE: 3/4"=1'-0" (13 A3) (13 A5)



DETAIL
SCALE: 1 1/2" = 1'-0" (8 A3)



DETAIL
SCALE: 1 1/2" = 1'-0" (15 A3)

REV.	DATE	DESCRIPTION	BY	ISSUE REF
1	01FEB90	CODE UPDATE & STRUCTURAL CHANGES	JJC	-/-

VIEW CONVENTION — SCALE — UNITS OF MEASURE: INCH

REGISTERED ARCHITECT — STATE OF ILLINOIS — RICHARD L. CARLSON — No. 4496 — ANDOVER, MASS. — COMMONWEALTH OF MASSACHUSETTS

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE "ROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

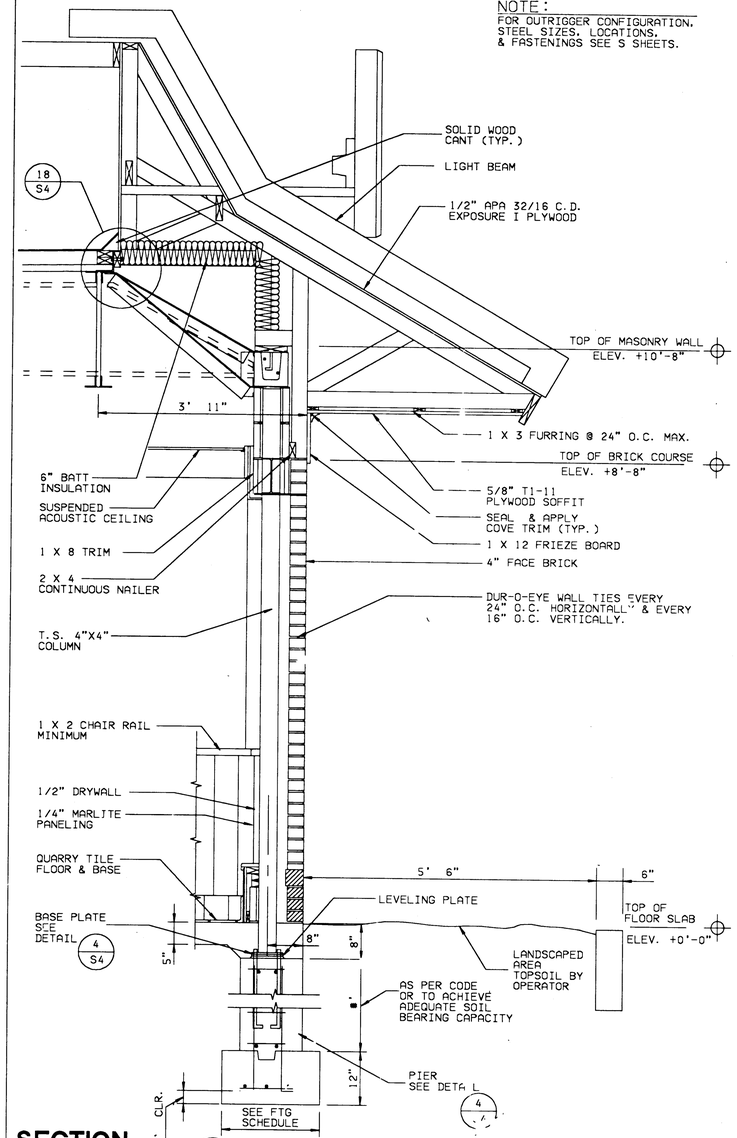
TITLE: 37-84/89 BASEMENT

DRAWN BY	MATERIAL / DESCRIPTION	CHECKED BY MARK	DATE CHECKED 30NOV87
JMS			
DATE DRAWN 01SEP89		APPROVED BY	DATE APPROVED 31AUG89
DRAWING ID 9BM	-3784BS	ISSUE REF -/-	DATE ISSUED 01SEP89

SHEET NO. A06

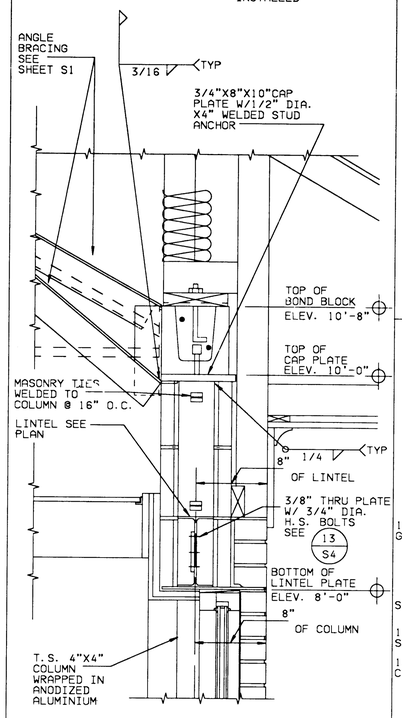
MCD104 (01FEL89)

NOTE:
FOR OUTRIGGER CONFIGURATION, STEEL SIZES, LOCATIONS, & FASTENINGS SEE S SHEETS.

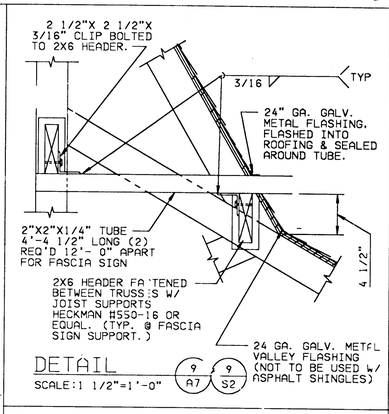

18 S4
SOLID WOOD CANT (TYP.)
LIGHT BEAM
1/2" APA 32/16 C.D. EXPOSURE I PLYWOOD
TOP OF MASONRY WALL ELEV. +10'-8"
3' 11"
1 X 3 FURRING @ 24" O.C. MAX.
TOP OF BRICK COURSE ELEV. +8'-8"
6" BATT INSULATION
SUSPENDED ACOUSTIC CEILING
1 X 8 TRIM
2 X 4 CONTINUOUS NAILER
5/8" T1-11 PLYWOOD SOFFIT
SEAL & APPLY COVE TRIM (TYP.)
1 X 12 FRIEZE BOARD
4" FACE BRICK
DUR-O-EYE WALL TIES EVERY 24" O.C. HORIZONTALLY & EVERY 16" O.C. VERTICALLY.
T.S. 4"X4" COLUMN
1 X 2 CHAIR RAIL MINIMUM
1/2" DRYWALL
1/4" MARLITE PANELING
QUARRY TILE FLOOR & BASE
5' 6"
6"
LEVELING PLATE
TOP OF FLOOR SLAB ELEV. +0'-0"
BASE PLATE SEE DETAIL 4 S4
5"
8"
8"
LANDSCAPED AREA TOPSOIL BY OPERATOR
AS PER CODE OR TO ACHIEVE ADEQUATE SOIL BEARING CAPACITY
PIER SEE DETAIL 4
12"
CLR.
SEE FTG SCHEDULE

SECTION
SCALE: 3/4" = 1'-0" (1 A3)

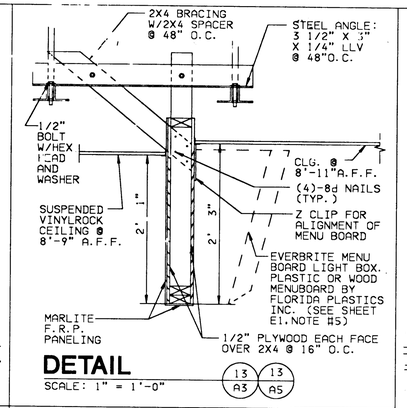
NOTE:
CONTRACTOR TO PROVIDE TEMPORARY BRACING FOR STEEL COLUMN UNTIL ANGLE BRACING IS INSTALLED


ANGLE BRACING SEE SHEET S1
3/16
TYP
3/4"X8"X10" CAP PLATE W/1/2" DIA. X4" WELDED STUD ANCHOR
TOP OF BOND BLOCK ELEV. 10'-8"
TOP OF CAP PLATE ELEV. 10'-0"
MASONRY TIES WELDED TO COLUMN @ 16" O.C.
LINTEL SEE PLAN
8" 1/4
TYP
OF LINTEL
3/8" THRU PLATE W/ 3/4" DIA. H.S. BOLTS SEE 13 S4
BOTTOM OF LINTEL PLATE ELEV. 8'-0"
8"
OF COLUMN
T.S. 4"X4" COLUMN WRAPPED IN ANODIZED ALUMINIUM

DETAIL
SCALE: 1 1/2"= 1'-0" (6 A3)

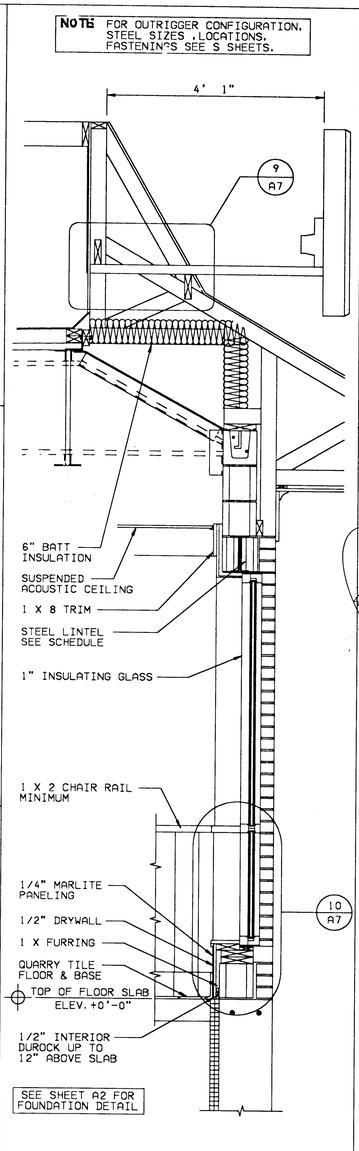

2 1/2"X 2 1/2"X 3/16" CLIP BOLTED TO 2X6 HEADER.
3/16
TYP
24" GA. GALV. METAL FLASHING, FLASHED INTO ROOFING & SEALED AROUND TUBE.
2"X2"X1/4" TUBE 4'-4 1/2" LONG (2) REQ'D 12'- 0" APART FOR FASCIA SIGN
4 1/2"
2X6 HEADER FASTENED BETWEEN TRUSSES W/ JOIST SUPPORTS HECKMAN #S50-16 OR EQUAL. (TYP. @ FASCIA SIGN SUPPORT.)
24 GA. GALV. METAL VALLEY FLASHING (NOT TO BE USED W/ ASPHALT SHINGLES)

DETAIL
SCALE:1 1/2"=1'-0" (9 A7 / 9 S2)

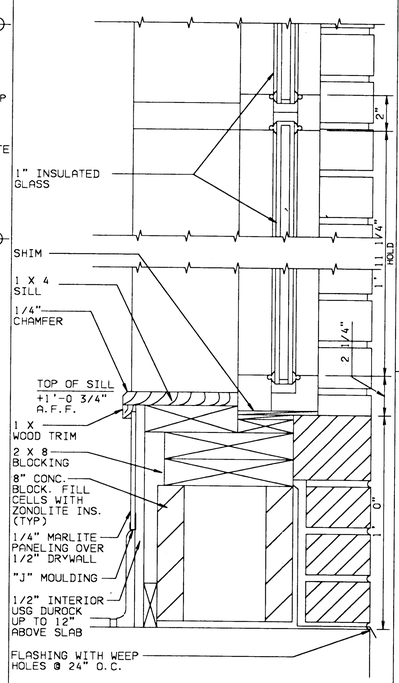

2X4 BRACING W/2X4 SPACER @ 48" O.C.
STEEL ANGLE: 3 1/2" X 3" X 1/4" LLV @ 48"O.C.
1/2" BOLT W/HEX HEAD AND WASHER
SUSPENDED VINYLROCK CEILING @ 8'-9" A.F.F.
2' 1"
2' 3"
CLG. @ 8'-11"A.F.F.
(4)-8d NAILS (TYP.)
Z CLIP FOR ALIGNMENT OF MENU BOARD
EVERBRITE MENU BOARD LIGHT BOX. PLASTIC OR WOOD MENUBOARD BY FLORIDA PLASTICS INC. (SEE SHEET E1: NOTE #5)
MARLITE F.R.P. PANELING
1/2" PLYWOOD EACH FACE OVER 2X4 @ 16" O.C.

DETAIL
SCALE: 1" = 1'-0" (13 A3 / 13 A5)

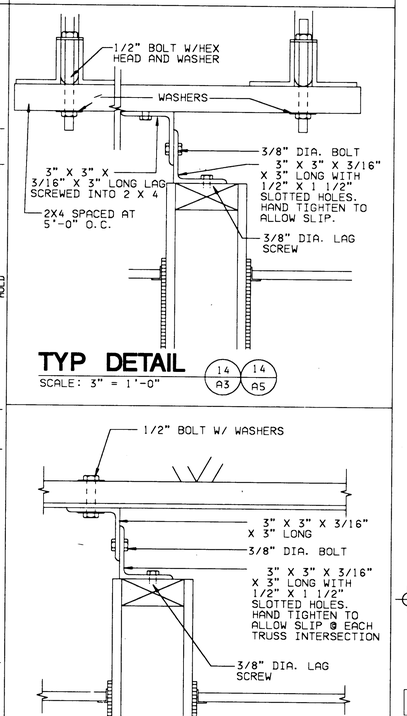
NOTE: FOR OUTRIGGER CONFIGURATION, STEEL SIZES ,LOCATIONS, FASTENINGS SEE S SHEETS.



SECTION
SCALE: 3/4" = 1'-0" (17 A5)

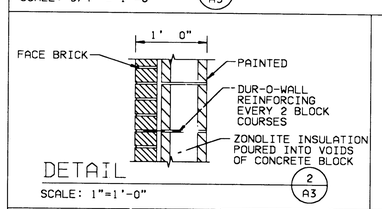


SECTION
SCALE: 3" = 1'-0" (10 A7)

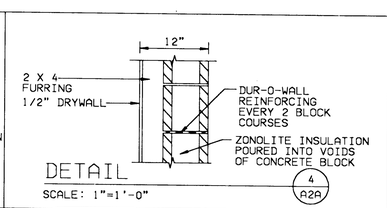

1/2" BOLT W/HEX HEAD AND WASHER
WASHERS
3/8" DIA. BOLT 3" X 3" X 3/16" X 3" LONG WITH 1/2" X 1 1/2" SLOTTED HOLES. HAND TIGHTEN TO ALLOW SLIP.
3" X 3" X 3/16" X 3" LONG LAG SCREWED INTO 2 X 4
2X4 SPACED AT 5'-0" O.C.
3/8" DIA. LAG SCREW
1/2" BOLT W/ WASHERS
3" X 3" X 3/16" X 3" LONG
3/8" DIA. BOLT
3" X 3" X 3/16" X 3" LONG WITH 1/2" X 1 1/2" SLOTTED HOLES. HAND TIGHTEN TO ALLOW SLIP @ EACH TRUSS INTERSECTION
3/8" DIA. LAG SCREW

TYP DETAIL
SCALE: 3" = 1'-0" (14 A3 / 14 A5)

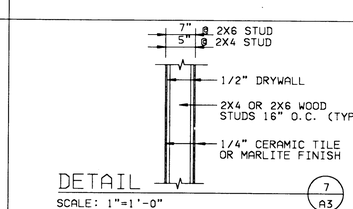
TYP DETAIL
SCALE: 3" = 1'-0" (15 A3 / 15 A4)



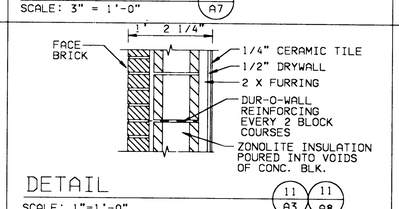
DETAIL
SCALE: 1"=1'-0" (2 A3)


12"
2 X 4 FURRING
1/2" DRYWALL
DUR-O-WALL REINFORCING EVERY 2 BLOCK COURSES
ZONOLITE INSULATION POURED INTO VOIDS OF CONCRETE BLOCK

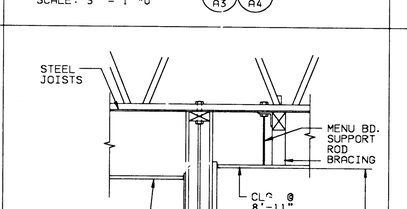
DETAIL
SCALE: 1"=1'-0" (4 A2a)



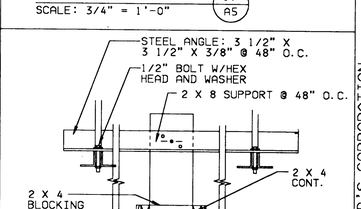
DETAIL
SCALE: 1"=1'-0" (7 A3)



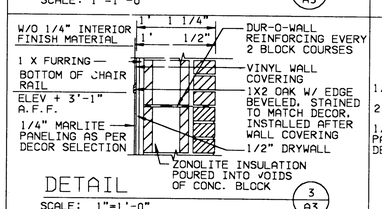
DETAIL
SCALE: 1"=1'-0" (11 A3 / 11 A8)


STEEL JOISTS
MENU BD. SUPPORT ROD BRACING
CLG. @ 8'-11"
1/2" DRYWALL
2X4 WOOD STUDS 16" O.C. (TYP.)
3"
CLG. @ 8'-9"
CERAMIC TILE AS PER DECOR
3/8" THREADED ROD W/ WASHER, NUTS, & LOCK NUTS @ 48" O.C.

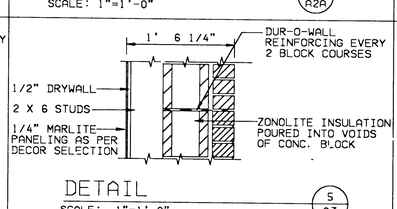
DETAIL
SCALE: 1"=1'-0" (16 A3 / 16 A4 / 16 A11)


STEEL ANGLE: 3 1/2" X 3 1/2" X 3/8" @ 48" O.C.
1/2" BOLT W/HEX HEAD AND WASHER
2 X 8 SUPPORT @ 48" O.C.
2 X 4 BLOCKING @ 16" O.C.
2 X 4 CONT.
1/2" DRYWALL
6"
EGG CRATE DIFFUSER
11 3/4"
1 X 12 FINISHED BOTH SIDES TO MATCH DECOR
SUSPENDED ACOUSTICAL TILE CEILING @ 8'-9" A.F.F.
SUSPENDED ACOUSTICAL TILE CEILING @ 8'-11" A.F.F.

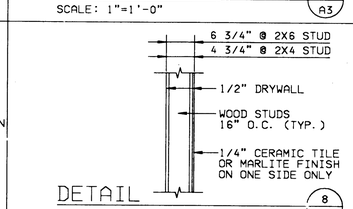
DETAIL
SCALE: 1" = 1'-0" (18 A5)


1' 1 1/4"
W/O 1/4" INTERIOR FINISH MATERIAL
1/2"
1 X FURRING
BOTTOM OF CHAIR RAIL
ELEV + 3'-1" A.F.F.
1/4" MARLITE PANELING AS PER DECOR SELECTION
DUR-O-WALL REINFORCING EVERY 2 BLOCK COURSES
VINYL WALL COVERING
1X2 OAK W/ EDGE BEVELED, STAINED TO MATCH DECOR, INSTALLED AFTER WALL COVERING
1/2" DRYWALL
ZONOLITE INSULATION POURED INTO VOIDS OF CONC. BLOCK

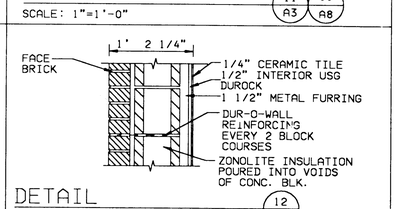
DETAIL
SCALE: 1"=1'-0" (3 A3)


1' 6 1/4"
1/2" DRYWALL
2 X 6 STUDS
1/4" MARLITE PANELING AS PER DECOR SELECTION
DUR-O-WALL REINFORCING EVERY 2 BLOCK COURSES
ZONOLITE INSULATION POURED INTO VOIDS OF CONC. BLOCK

DETAIL
SCALE: 1"=1'-0" (5 A3)



DETAIL
SCALE: 1"=1'-0" (8 A3)


1' 2 1/4"
FACE BRICK
1/4" CERAMIC TILE
1/2" INTERIOR USG DUROCK
1 1/2" METAL FURRING
DUR-O-WALL REINFORCING EVERY 2 BLOCK COURSES
ZONOLITE INSULATION POURED INTO VOIDS OF CONC. BLK.

DETAIL
SCALE: 1"=1'-0" (12 A3)

REV	DATE	DESCRIPTION	BY	ISSUE REF
1	01FEB90	CODE UPDATE & STRUCTURAL CHANGES	JJC	

UNITS OF MEASURE: INCH
SCALE:
VIEW CONVENTION:

REGISTERED ARCHITECT — STATE OF ILLINOIS — No. 24961 — ANDREW E. MARX — DATE

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

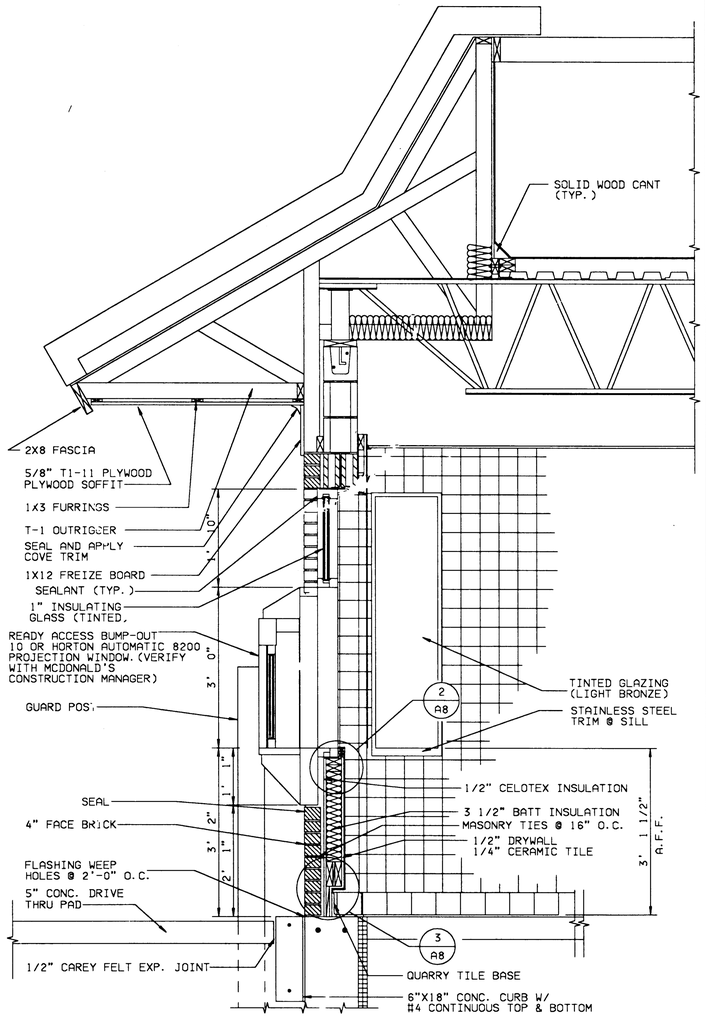
LOCAL ADDRESS:

McDONALD'S CORPORATION
OAK BROOK, ILLINOIS 60521

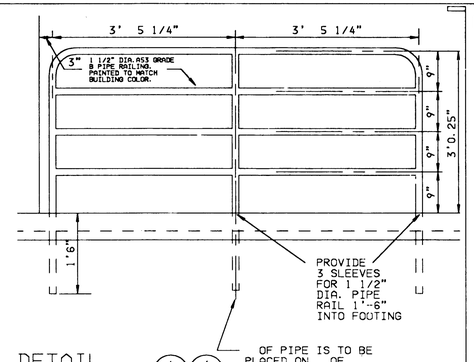
TITLE: 37-84/89 BASEMENT
DRAWN BY: JMS
DATE DRAWN: 01AUG89
DRAWING ID: 9BM -3784BS
MATERIAL / DESCRIPTION:
CHECKED BY: MAR
APPROVED BY:
ISSUE REF: -/-
DATE CHECKED: 30AUG89
DATE APPROVED: 30AUG89
DATE ISSUED: 01SEP89

SHEET NO. A07

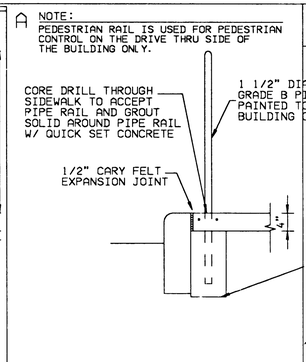
MCD104 (01FEB89)



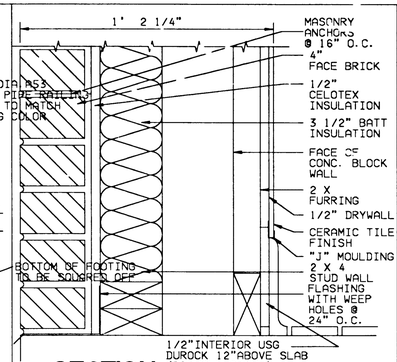
SECTION
SCALE: 3/4" = 1'-0" (1 A4 / 1 A8)


3' 5 1/4"
3' 5 1/4"
3" 1 1/2" DIA. A53 GRADE B PIPE RAILING PAINTED TO MATCH BUILDING COLOR.
9"
9"
9"
9"
9"
3' 0.25"
1'-6"
PROVIDE 3 SLEEVES FOR 1 1/2" DIA. PIPE RAIL 1'-6" INTO FOOTING
OF PIPE IS TO BE PLACED ON OF FOUNDATION WALL

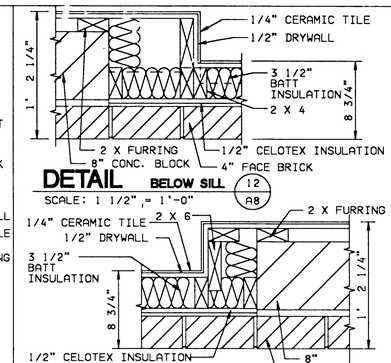
DETAIL
SCALE: 3/4"=1'-0" (4 A1 / 4 A5)


NOTE:
PEDESTRIAN RAIL IS USED FOR PEDESTRIAN CONTROL ON THE DRIVE THRU SIDE OF THE BUILDING ONLY.
CORE DRILL THROUGH SIDEWALK TO ACCEPT PIPE RAIL AND GROUT SOLID AROUND PIPE RAIL W/ QUICK SET CONCRETE
1 1/2" DIA. A53 GRADE B PIPE RAILING PAINTED TO MATCH BUILDING COLOR
1/2" CARY FELT EXPANSION JOINT
4"
BOTTOM OF FOOTING TO BE SQUARED OFF
A
A

SECT. A-A

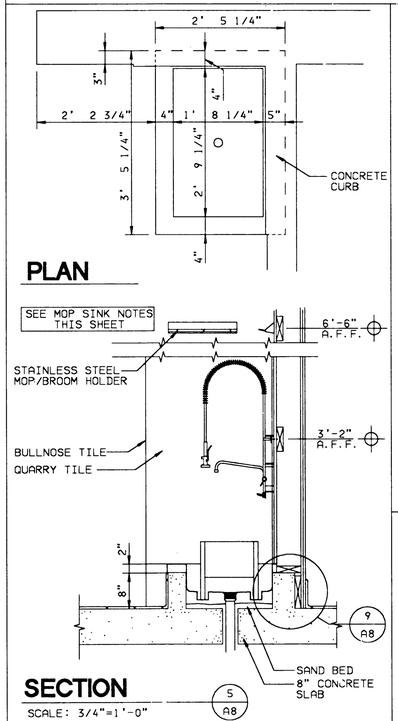

1' 2 1/4"
MASONRY ANCHORS @ 16" O.C.
4" FACE BRICK
1/2" CELOTEX INSULATION
3 1/2" BATT INSULATION
FACE OF CONC. BLOCK WALL
2 X FURRING
1/2" DRYWALL
CERAMIC TILE FINISH
"J" MOULDING
2 X 4 STUD WALL FLASHING WITH WEEP HOLES @ 24" O.C.
1/2"INTERIOR USG DUROCK 12"ABOVE SLAB (DRYWALL ABOVE)

SECTION
SCALE: 3" = 1'-0" (10 A8)



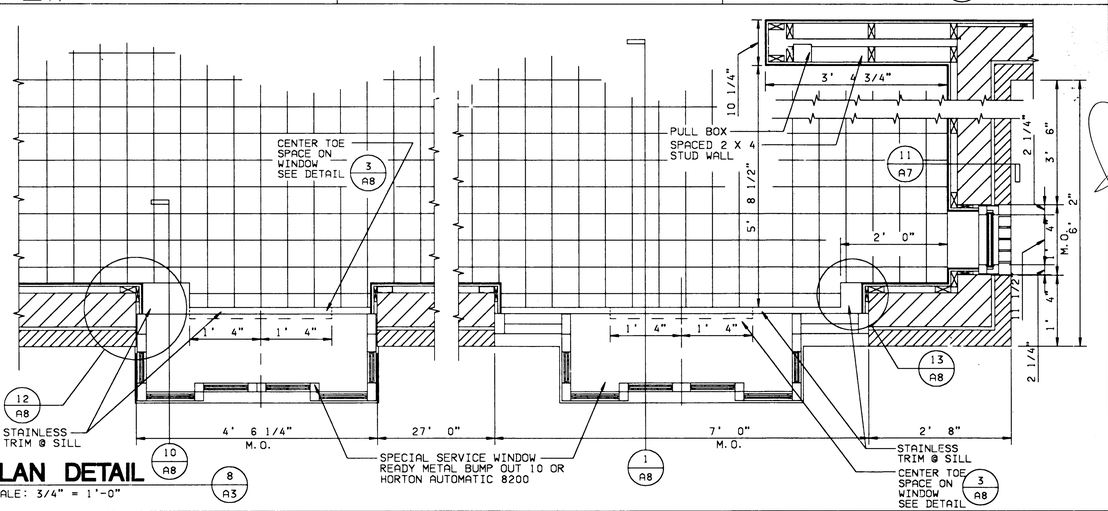
DETAIL BELOW SILL
SCALE: 1 1/2" = 1'-0" (12 A8)

DETAIL BELOW SILL
SCALE: 1 1/2" = 1'-0" (13 A8)

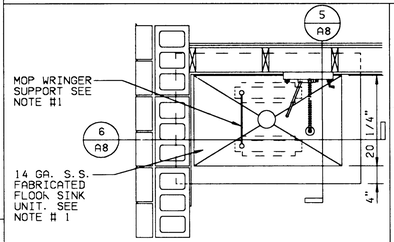


PLAN
SEE MOP SINK NOTES THIS SHEET

SECTION
SCALE: 3/4"=1'-0" (5 A8)



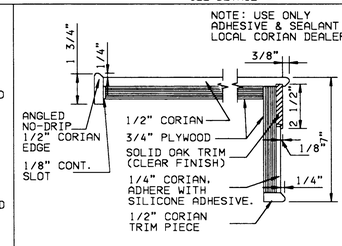
PLAN DETAIL
SCALE: 3/4" = 1'-0" (10 A8 / 8 A3)



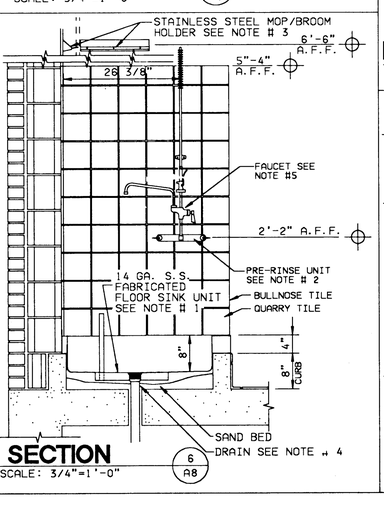
DETAIL
SCALE: 3/4"=1'-0" (7 A3 / 7 A1)

MOP SINK NOTES:

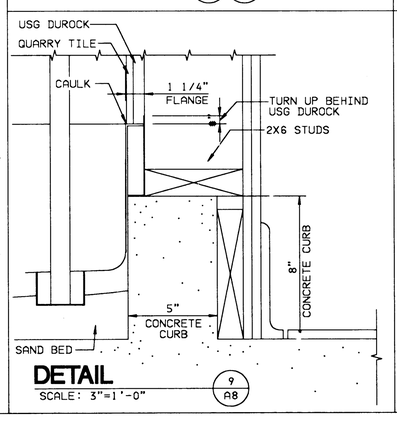
1. MOP SINK WITH INTEGRAL MOP WRINGER HOLDER ORDERED BY MC DONALD'S FROM H&K DALLAS AND INSTALLED BY G.C.
2. PRE-RINSE UNIT (FISHER MODEL #2210-WB) ORDERED BY MC DONALD'S FROM H&K DALLAS AND INSTALLED BY G.C.
3. STAINLESS STEEL MOP/BROOM HOLDER ORDERED BY MC DONALD'S FROM H&K DALLAS AND INSTALLED BY G.C.
4. CASPER # 140-NC DRAIN WITH CAULKING NUT TO FIT 2" PIPE (FURNISHED WITH SINK UNIT)
5. FISHER #2901 ADD-ON FAUCET W/10" SPOUT ORDERED BY MC DONALD'S FROM H&K DALLAS AND INSTALLED BY G.C.
6. USE USG INTERIOR DUROCK BEHIND QUARRY TILE UP TO 5'-4" A.F.F. USE WATER RESISTANT GYPSUM BOARD ABOVE 5'-4".



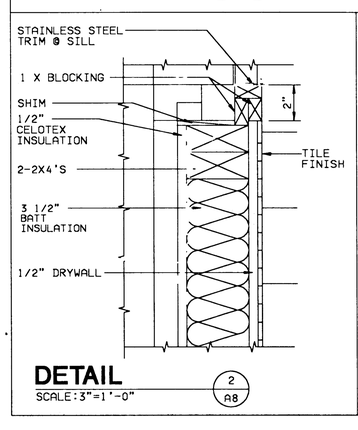
DETAIL
SCALE: 3"=1'-0" (14 A8)



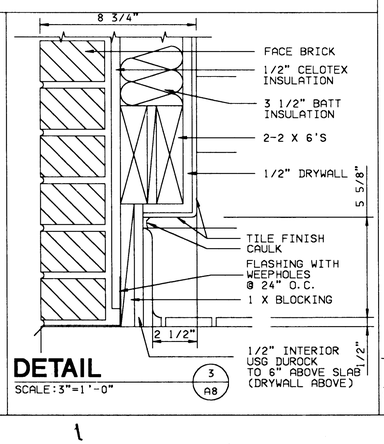
SECTION
SCALE: 3/4"=1'-0" (6 A8)



DETAIL
SCALE: 3"=1'-0" (9 A8)



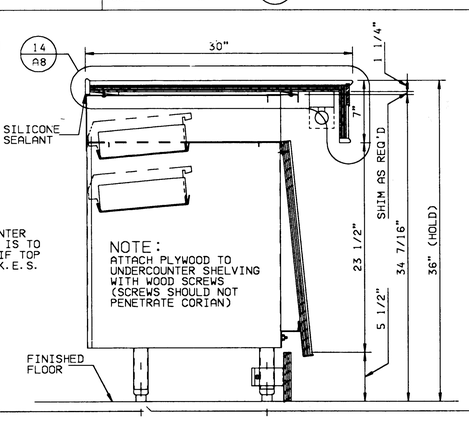
DETAIL
SCALE: 3"=1'-0" (2 A8)



DETAIL
SCALE: 3"=1'-0" (3 A8)

NOTES

1. VERIFY WITH MCDONALD'S CONSTRUCTION MANAGER WHICH COUNTER TOP WILL BE USED AND WHO WILL FURNISH IT.
   - A CORIAN COUNTER TOP FURNISHED BY MCDONALD'S, INSTALLED BY G.C.
   - B STAINLESS STEEL COUNTER TOP FURNISHED BY K.E.S. AND INSTALLED BY K.E.S.
2. MODULAR COUNTER BASE SUPPLIED & INSTALLED BY K.E.S.
3. UNDERCOUNTER LIGHTING SUPPLIED BY K.E.S.& INSTALLED BY G.C. WHEN COUNTER TOP IS SUPPLIED BY K.E.S. LIGHTING IS TO BE SUPPLIED AND INSTALLED BY G.C. IF TOP IS SUPPLIED BY SOMEONE OTHER THAN K.E.S.



DETAIL
SCALE: 1 1/2"=1'-0" (11 A3 / 11 A5)

1	DIFFERO	CODE UPDATE & STRUCTURAL CHANGES	JJC	- -
REV	DATE	DESCRIPTION	BY	ISSUE REF

UNITS OF MEASURE: INCH
SCALE:
VIEW CONVENTION:

LOCAL ADDRESS

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

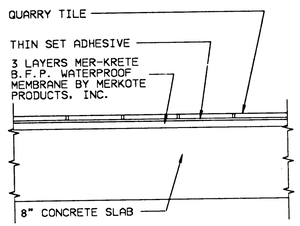
TITLE: 37-84/89 BASEMENT

DRAWN BY	MATERIAL / DESCRIPTION	CHECKED BY	DATE CHECKED
JMS		MAR	30AUG89
DATE DRAWN		APPROVED BY	DATE APPROVED
01AUG89			30AUG89
DRAWING NO.		ISSUE REF	DATE ISSUED
PBM -3784BS			01SEP89

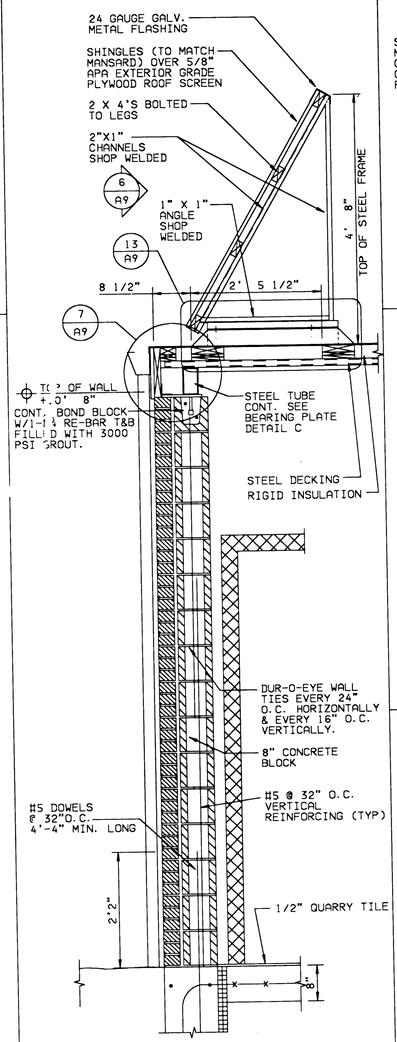
SHEET NO. A08

MCD104 (01FEB89)

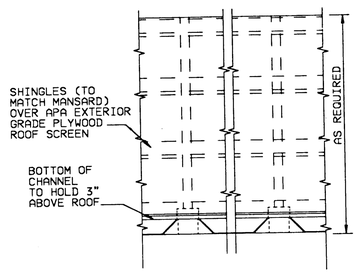
MERKOTE PRODUCTS, INC.
501 S. VAN NOSS
TORRANCE CALIF. 90501
(213)775-2461



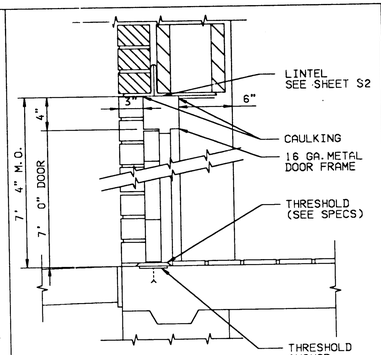
DETAIL FLOOR OF COOLER (1 / A3)
SCALE: 1 1/2"=1'-0"


24 GAUGE GALV. METAL FLASHING
SHINGLES (TO MATCH MANSARD) OVER 5/8" APA EXTERIOR GRADE PLYWOOD ROOF SCREEN
2 X 4'S BOLTED TO LEGS
2"X1" CHANNELS SHOP WELDED
6 / A9
1" X 1" ANGLE SHOP WELDED
13 / A9
8 1/2"
2' 5 1/2"
4' 8" TOP OF STEEL FRAME
7 / A9
TOP OF WALL +0' 8"
CONT. BOND BEAM W/1-#4 RE-BAR T&B FILLED WITH 3000 PSI GROUT.
STEEL TUBE CONT. SEE BEARING PLATE DETAIL C
STEEL DECKING
RIGID INSULATION
DUR-O-EYE WALL TIES EVERY 24" O.C. HORIZONTALLY & EVERY 16" O.C. VERTICALLY.
8" CONCRETE BLOCK
#5 @ 32" O.C. VERTICAL REINFORCING (TYP)
#5 DOWELS @ 32"O.C. 4'-4" MIN. LONG
2'2"
1/2" QUARRY TILE

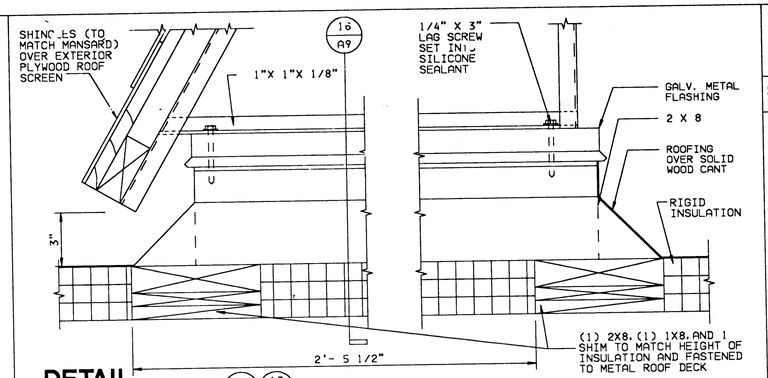
DETAIL
SCALE: 3/4"=1'-0" (4 / A3) (4 / A5)


SHINGLES (TO MATCH MANSARD) OVER APA EXTERIOR GRADE PLYWOOD ROOF SCREEN
BOTTOM OF CHANNEL TO HOLD 3" ABOVE ROOF
AS REQUIRED

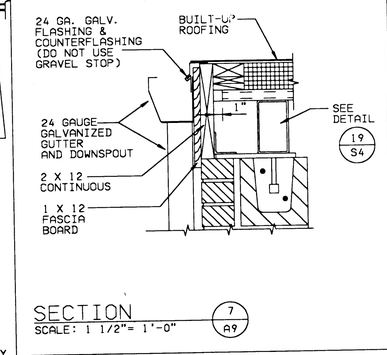
DETAIL
SCALE: 3/4" = 1'-0" (6 / A9)



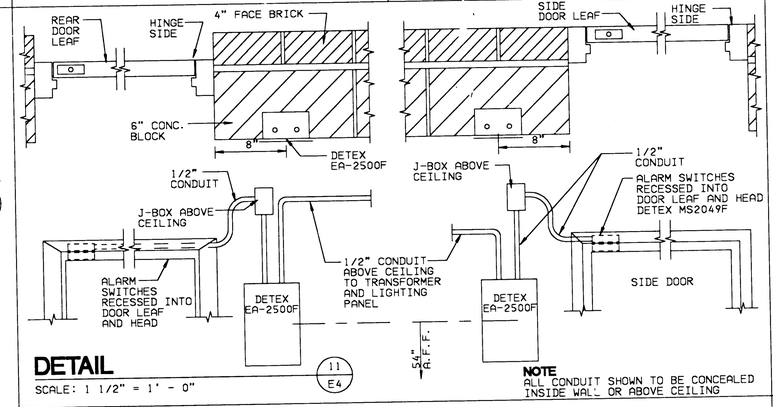
SECTION
SCALE: 1 1/2" = 1'-0" (10 / A3)


SHINGLES (TO MATCH MANSARD) OVER EXTERIOR PLYWOOD ROOF SCREEN
16 / A9
1"X 1"X 1/8"
1/4" X 3" LAG SCREW SET IN SILICONE SEALANT
GALV. METAL FLASHING
2 X 8
ROOFING OVER SOLID WOOD CANT
RIGID INSULATION
3"
2'- 5 1/2"
(1) 2X8, (1) 1X8, AND 1 SHIM TO MATCH HEIGHT OF INSULATION AND FASTENED TO METAL ROOF DECK

DETAIL
SCALE: 3"=1'-0" (13 / A9) (13 / S2)

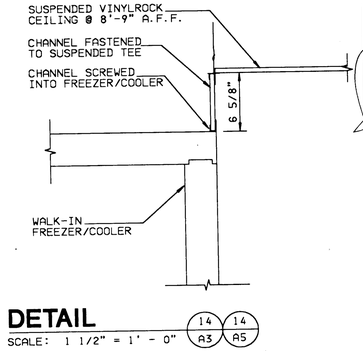

24 GA. GALV. FLASHING & COUNTERFLASHING (DO NOT USE GRAVEL STOP)
BUILT-UP ROOFING
1"
SEE DETAIL 19 / S4
24 GAUGE GALVANIZED GUTTER AND DOWNSPOUT
2 X 12 CONTINUOUS
1 X 12 FASCIA BOARD

SECTION
SCALE: 1 1/2"= 1'-0" (7 / A9)

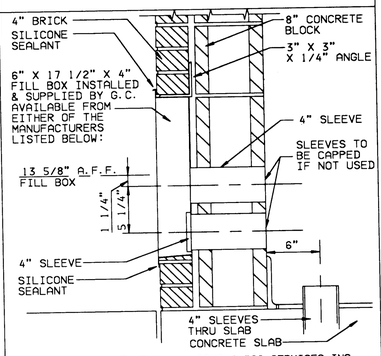


DETAIL
SCALE: 1 1/2" = 1' - 0" (11 / E4)

NOTE
ALL CONDUIT SHOWN TO BE CONCEALED INSIDE WALL OR ABOVE CEILING



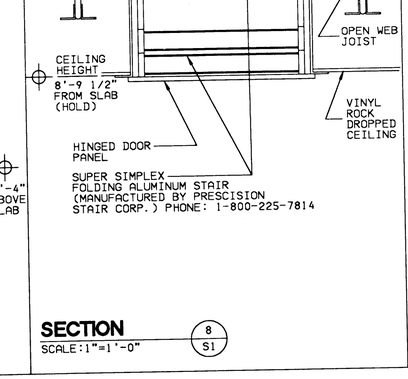
DETAIL
SCALE: 1 1/2" = 1' - 0" (14 / A3) (14 / A5)


4" BRICK
SILICONE SEALANT
6" X 17 1/2" X 4" FILL BOX INSTALLED & SUPPLIED BY G.C. AVAILABLE FROM EITHER OF THE MANUFACTURERS LISTED BELOW:
13 5/8" A.F.F. FILL BOX
1 1/4"
5"
4" SLEEVE
SILICONE SEALANT
8" CONCRETE BLOCK
3" X 3" X 1/4" ANGLE
4" SLEEVE
SLEEVES TO BE CAPPED IF NOT USED
6"
4" SLEEVES THRU SLAB
CONCRETE SLAB

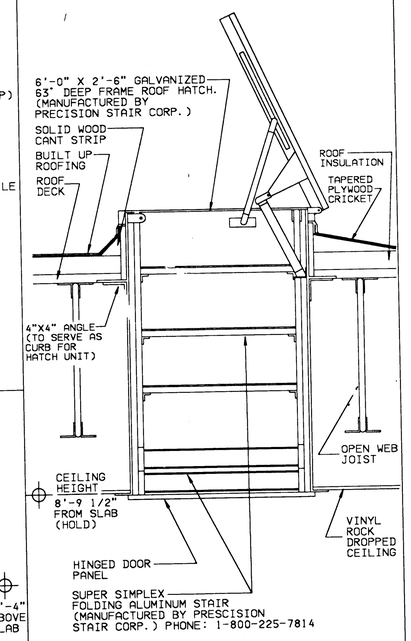
MINNESOTA VALLEY ENG.
MODEL #97-1959-9
407 SEVENTH ST.N.W.
NEW PRAGUE,MN. 56071
(612)758-4484

CRYOGENICS SERVICES INC.
WALL BOX #7476
INTERSTATE 575 & AIRPORT DRIVE
CANTON, GEORGIA 30114
(404) 479-8531
(800) 241-7452

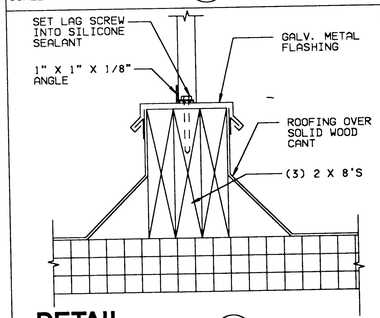
DETAIL
SCALE: 1 1/2" = 1' - 0" (15 / A3)



DETAIL
SCALE: 3"=1'-0" (5 / A9)


6'-0" X 2'-6" GALVANIZED 63" DEEP FRAME ROOF HATCH. (MANUFACTURED BY PRECISION STAIR CORP.)
SOLID WOOD CANT STRIP
BUILT UP ROOFING
ROOF DECK
ROOF INSULATION
TAPERED PLYWOOD CRICKET
4"X4" ANGLE (TO SERVE AS CURB FOR HATCH UNIT)
OPEN WEB JOIST
CEILING HEIGHT 8'-9 1/2" FROM SLAB (HOLD)
VINYL ROCK DROPPED CEILING
HINGED DOOR PANEL
SUPER SIMPLEX FOLDING ALUMINUM STAIR (MANUFACTURED BY PRESCISION STAIR CORP.) PHONE: 1-800-225-7814

SECTION
SCALE:1"=1'-0" (8 / S1)



DETAIL
SCALE: 3" = 1'-0" (16 / A9)

REV	DATE	DESCRIPTION	BY
1	01FEB90	CODE UPDATE & STRUCTURAL CHANGES	JJC

SCALE — UNITS OF MEASURE — ISSUE REF — INCH

VIEW CONVENTION

REGISTERED ARCHITECT — JOHN J. CORRIGAN — REG. NO. 6496 — SHREWSBURY, MASS. — COMMONWEALTH OF MASSACHUSETTS

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

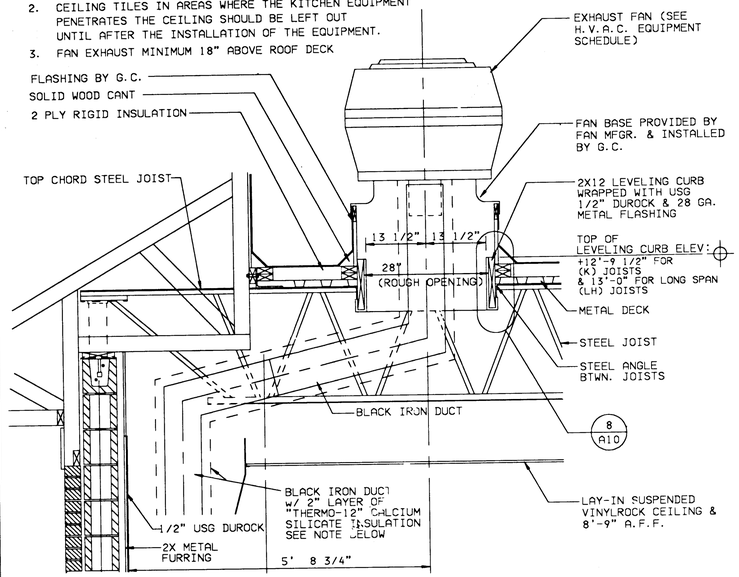
TITLE 37-84/89 BASEMENT	CHECKED BY MAR	DATE CHECKED 30AUG89	
DRAWN HS	APPROVED BY	DATE APPROVED 30AUG89	
DATE DRAWN 01AUG89	MATERIAL / DESCRIPTION	DATE ISSUED 01SEP89	
DRAWING ID 9BM-3784BS	ISSUE REF		

SHEET NO. A09

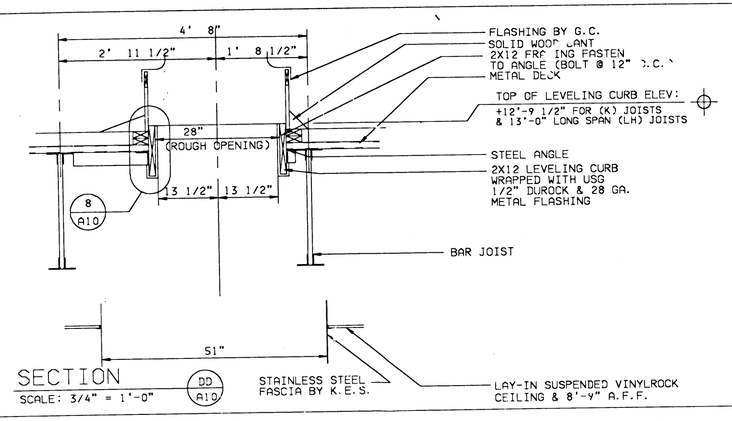
MCD104 (01FEB89)

NOTES:

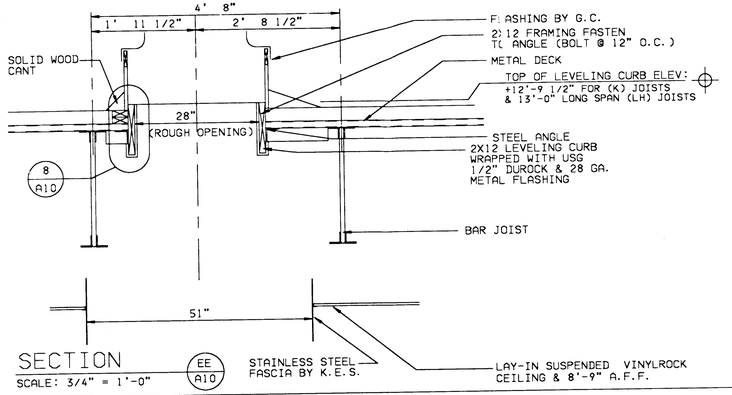
1. EXHAUST AIR DUCTWORK UP TO UNDERSIDE OF CURB FURNISHED AND INSTALLED BY K.E.S.
2. CEILING TILES IN AREAS WHERE THE KITCHEN EQUIPMENT PENETRATES THE CEILING SHOULD BE LEFT OUT UNTIL AFTER THE INSTALLATION OF THE EQUIPMENT.
3. FAN EXHAUST MINIMUM 18" ABOVE ROOF DECK


EXHAUST FAN (SEE H.V.A.C. EQUIPMENT SCHEDULE)
FLASHING BY G.C.
SOLID WOOD CANT
2 PLY RIGID INSULATION
FAN BASE PROVIDED BY FAN MFGR. & INSTALLED BY G.C.
TOP CHORD STEEL JOIST
2X12 LEVELING CURB WRAPPED WITH USG 1/2" DUROCK & 28 GA. METAL FLASHING
13 1/2" 13 1/2"
28" (ROUGH OPENING)
TOP OF LEVELING CURB ELEV: +12'-9 1/2" FOR (K) JOISTS & 13'-0" FOR LONG SPAN (LH) JOISTS
METAL DECK
STEEL JOIST
STEEL ANGLE BTWN. JOISTS
8 A10
BLACK IRON DUCT
BLACK IRON DUCT w/ 2" LAYER OF "THERMO-12" CALCIUM SILICATE INSULATION SEE NOTE BELOW
1/2" USG DUROCK
2X METAL FURRING
5' 8 3/4"
LAY-IN SUSPENDED VINYLROCK CEILING & 8'-9" A.F.F.

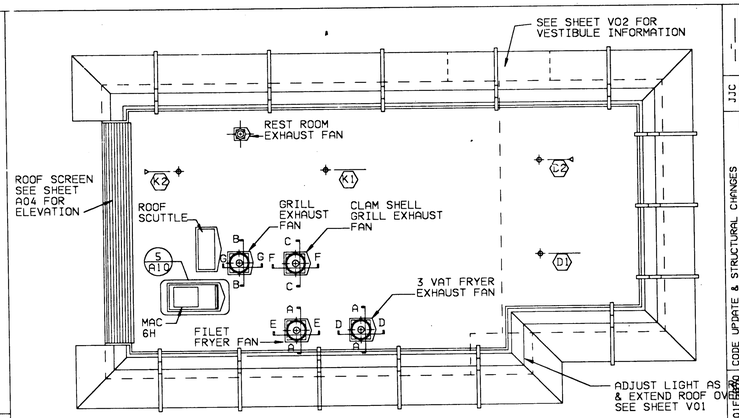
SECTION (AA / A10)
SCALE: 3/4" = 1'- 0"


4' 8"
2' 11 1/2"
1' 8 1/2"
28" (ROUGH OPENING)
13 1/2" 13 1/2"
8 A10
FLASHING BY G.C.
SOLID WOOD CANT
2X12 FRAMING FASTEN TO ANGLE (BOLT @ 12" O.C.)
METAL DECK
TOP OF LEVELING CURB ELEV: +12'-9 1/2" FOR (K) JOISTS & 13'-0" LONG SPAN (LH) JOISTS
STEEL ANGLE
2X12 LEVELING CURB WRAPPED WITH USG 1/2" DUROCK & 28 GA. METAL FLASHING
BAR JOIST
51"
STAINLESS STEEL FASCIA BY K.E.S.
LAY-IN SUSPENDED VINYLROCK CEILING & 8'-9" A.F.F.

SECTION (DD / A10)
SCALE: 3/4" = 1'-0"

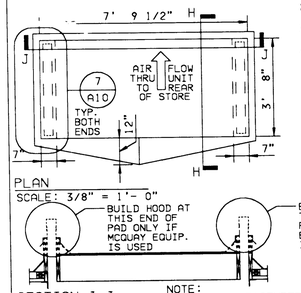

4' 8"
1' 11 1/2"
2' 8 1/2"
SOLID WOOD CANT
28" (ROUGH OPENING)
8 A10
FLASHING BY G.C.
2X12 FRAMING FASTEN TO ANGLE (BOLT @ 12" O.C.)
METAL DECK
TOP OF LEVELING CURB ELEV: +12'-9 1/2" FOR (K) JOISTS & 13'-0" LONG SPAN (LH) JOISTS
STEEL ANGLE
2X12 LEVELING CURB WRAPPED WITH USG 1/2" DUROCK & 28 GA. METAL FLASHING
BAR JOIST
51"
STAINLESS STEEL FASCIA BY K.E.S.
LAY-IN SUSPENDED VINYLROCK CEILING & 8'-9" A.F.F.

SECTION (EE / A10)
SCALE: 3/4" = 1'-0"

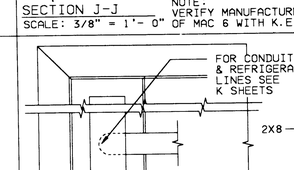

SEE SHEET V02 FOR VESTIBULE INFORMATION
REST ROOM EXHAUST FAN
ROOF SCREEN SEE SHEET A04 FOR ELEVATION
ROOF SCUTTLE
GRILL EXHAUST FAN
CLAM SHELL GRILL EXHAUST FAN
3 VAT FRYER EXHAUST FAN
MAC 6H
FILET FRYER FAN
ADJUST LIGHT AS REQUIRED & EXTEND ROOF OVER VESTIBULE SEE SHEET V01

ROOF PLAN

SCALE: 3/32 = 1'-0"



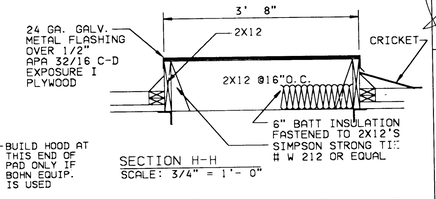
PLAN
SCALE: 3/8" = 1'- 0"


BUILD HOOD AT THIS END OF PAD ONLY IF MCQUAY EQUIP. IS USED
BUILD HOOD AT THIS END OF PAD ONLY IF BOHN EQUIP. IS USED
NOTE: VERIFY MANUFACTURER OF MAC 6 WITH K.E.S.

SECTION J-J
SCALE: 3/8" = 1'- 0"

NOTES:

1. FOR EXACT LOCATION OF EXHAUST FANS SEE SHEET S1.
2. SEE MECHANICAL SCHEDULE FOR EXHAUST FAN TYPES AND CFM REQUIREMENTS
3. CRICKETS MUST BE USED AT ALL HVAC UNITS, FANS & COMPRESSOR RAILS BY G.C.
4. ALL WOOD USED ON ROOF DECK TO BE PRESSURE TREATED.

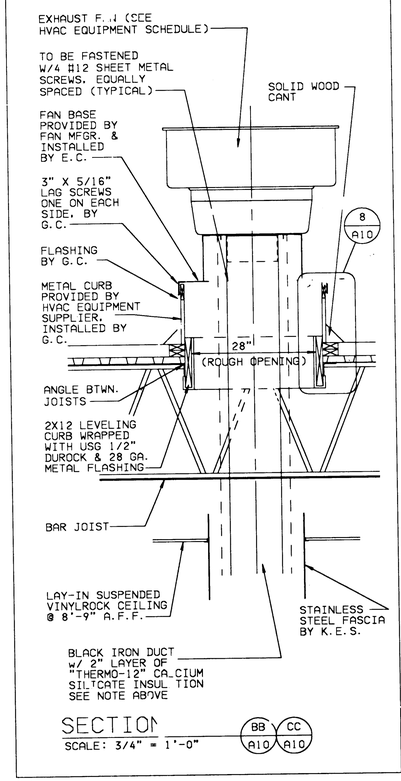

3' 8"
24 GA. GALV. METAL FLASHING OVER 1/2" APA 32/16 C-D EXPOSURE I PLYWOOD
2X12
CRICKET
2X12 @16" O.C.
6" BATT INSULATION FASTENED TO 2X12'S SIMPSON STRONG TIE # W 212 OR EQUAL

SECTION H-H
SCALE: 3/4" = 1'- 0"

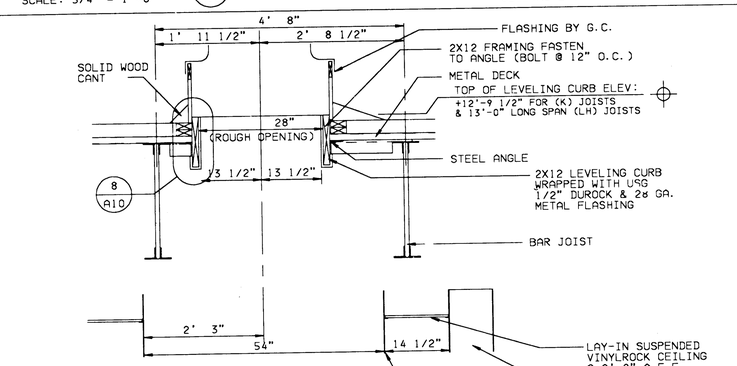
COMPRESSOR RAIL AND CRICKET

(5 A10) (5 S1) (5 S2)

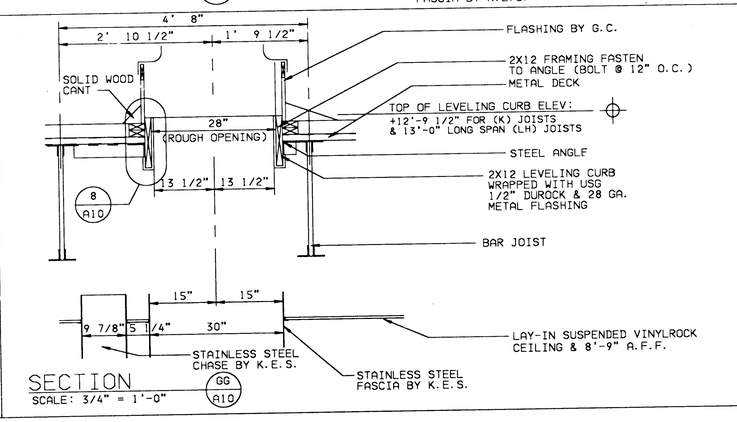
NOTE: ALL BLACK IRON DUCT TO BE WRAPPED w/ MIN. 2" LAYER OF FIRE RESISTANT MANVILLE "THERMO-12" HYDROUS CALCIUM SILICATE INSULATION. INTEGRATY OF CALCIUM SILICATE INSULATION TO BE MAINTAINED OVER ENTIRE LENGTH OF DUCT.


EXHAUST FAN (SEE HVAC EQUIPMENT SCHEDULE)
TO BE FASTENED W/4 #12 SHEET METAL SCREWS, EQUALLY SPACED (TYPICAL)
SOLID WOOD CANT
FAN BASE PROVIDED BY FAN MFGR. & INSTALLED BY E.C.
3" X 5/16" LAG SCREWS ONE ON EACH SIDE, BY G.C.
8 A10
FLASHING BY G.C.
METAL CURB PROVIDED BY HVAC EQUIPMENT SUPPLIER, INSTALLED BY G.C.
28" (ROUGH OPENING)
ANGLE BTWN. JOISTS
2X12 LEVELING CURB WRAPPED WITH USG 1/2" DUROCK & 28 GA. METAL FLASHING
BAR JOIST
LAY-IN SUSPENDED VINYLROCK CEILING @ 8'-9" A.F.F.
STAINLESS STEEL FASCIA BY K.E.S.
BLACK IRON DUCT w/ 2" LAYER OF "THERMO-12" CALCIUM SILICATE INSULATION SEE NOTE ABOVE

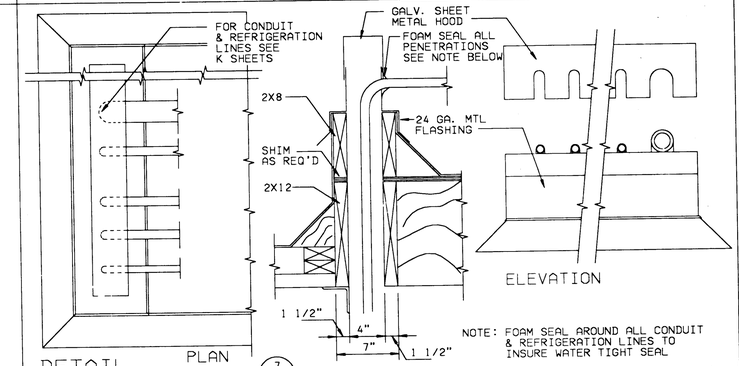
SECTION (BB / A10 — CC / A10)
SCALE: 3/4" = 1'-0"


4' 8"
1' 11 1/2"
2' 8 1/2"
SOLID WOOD CANT
28" (ROUGH OPENING)
8 A10
FLASHING BY G.C.
2X12 FRAMING FASTEN TO ANGLE (BOLT @ 12" O.C.)
METAL DECK
TOP OF LEVELING CURB ELEV: +12'-9 1/2" FOR (K) JOISTS & 13'-0" LONG SPAN (LH) JOISTS
STEEL ANGLE
2X12 LEVELING CURB WRAPPED WITH USG 1/2" DUROCK & 28 GA. METAL FLASHING
BAR JOIST
2' 3"
54"
14 1/2"
LAY-IN SUSPENDED VINYLROCK CEILING @ 8'-9" A.F.F.
STAINLESS STEEL FASCIA BY K.E.S.
STAINLESS STEEL CHASE BY K.E.S.

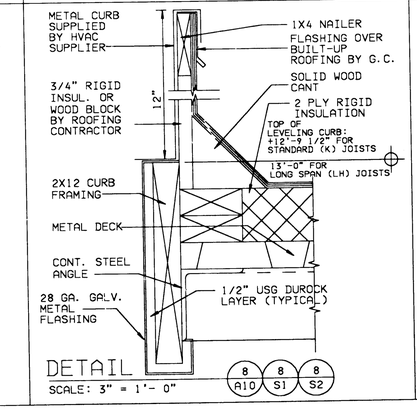
SECTION (FF / A10)
SCALE: 3/4" = 1'-0"


4' 8"
2' 10 1/2"
1' 9 1/2"
SOLID WOOD CANT
28" (ROUGH OPENING)
8 A10
FLASHING BY G.C.
2X12 FRAMING FASTEN TO ANGLE (BOLT @ 12" O.C.)
METAL DECK
TOP OF LEVELING CURB ELEV: +12'-9 1/2" FOR (K) JOISTS & 13'-0" LONG SPAN (LH) JOISTS
STEEL ANGLE
2X12 LEVELING CURB WRAPPED WITH USG 1/2" DUROCK & 28 GA. METAL FLASHING
BAR JOIST
15" 15"
9 7/8" 5 1/4" 30"
STAINLESS STEEL CHASE BY K.E.S.
LAY-IN SUSPENDED VINYLROCK CEILING & 8'-9" A.F.F.
STAINLESS STEEL FASCIA BY K.E.S.

SECTION (GG / A10)
SCALE: 3/4" = 1'-0"



DETAIL (PLAN / SECTION — 7 A10)
SCALE: 1 1/2" = 1'- 0"


METAL CURB SUPPLIED BY HVAC SUPPLIER
1X4 NAILER
FLASHING OVER BUILT-UP ROOFING BY G.C.
SOLID WOOD CANT
3/4" RIGID INSUL. OR WOOD BLOCK BY ROOFING CONTRACTOR
2 PLY RIGID INSULATION
12"
TOP OF LEVELING CURB: +12'-9 1/2" FOR STANDARD (K) JOISTS
13'-0" FOR LONG SPAN (LH) JOISTS
2X12 CURB FRAMING
METAL DECK
CONT. STEEL ANGLE
1/2" USG DUROCK LAYER (TYPICAL)
28 GA. GALV. METAL FLASHING

DETAIL (8 A10 — 8 S1 — 8 S2)
SCALE: 3" = 1'- 0"

NO.	REV	DATE	DESCRIPTION	BY
1			CODE UPDATE & STRUCTURAL CHANGES	JJC

SCALE: —"
UNITS OF MEASURE: INCH
VIEW CONVENTION

McDonald's®
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

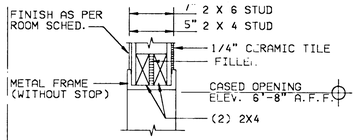
DATE CHECKED BY CORP.	30APR89
DATE APPROVED	30APR89
DATE ISSUED	01SEP89
ISSUE REF	—"—

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

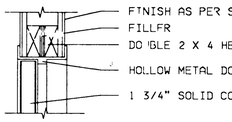
TITLE	37-84/89 BASEMENT
MATERIAL / DESCRIPTION	
DRAWN BY	JMS RLF
DATE DRAWN	01AUG89
DRAWING	3784BS

SHEET NO. A10

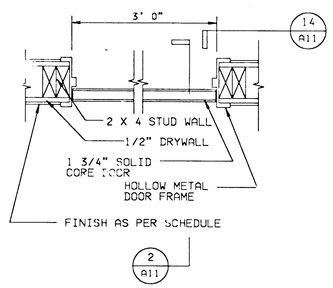
MCD104 (01FEB89)



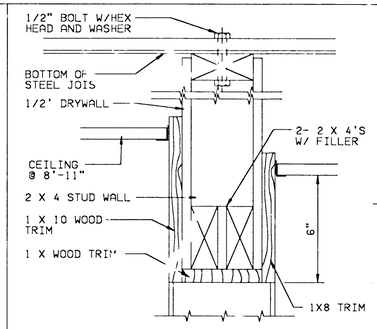
DETAIL
SCALE: 1 1/2"=1'-0" (1 / A11) (1 / A3)



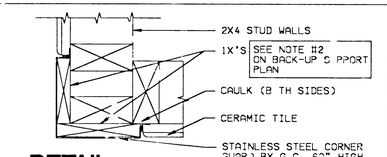
DETAIL
SCALE: 1 1/2" = 1'-0" (2 / A11)



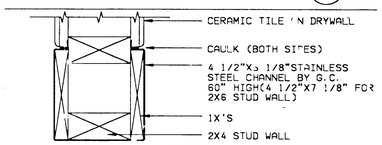
DETAIL
SCALE: 1" = 1'-0" (6 / R1)



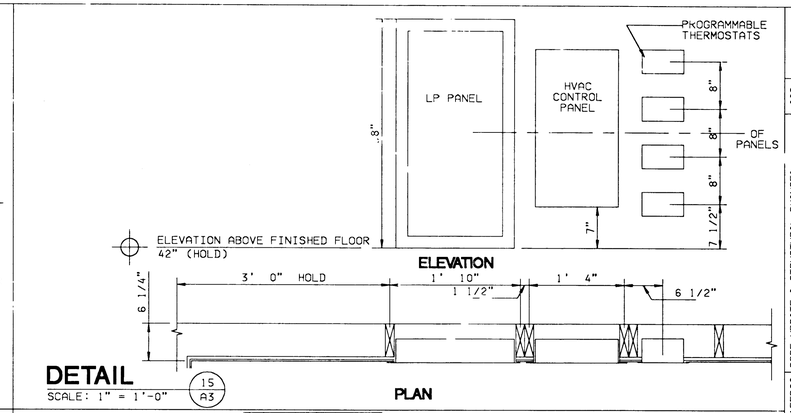
DETAIL
SCALE: 3" = 1'-0" (8 / A1) HEAD


2X4 STUD WALLS
1X'S
SEE NOTE #2 ON BACK-UP SUPPORT PLAN
CAULK (BOTH SIDES)
CERAMIC TILE
STAINLESS STEEL CORNER GUARD BY G.C. 60" HIGH

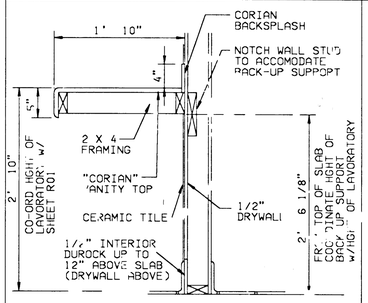
DETAIL
SCALE: 3"=1'-0" (11 / A11)


CERAMIC TILE 'N DRYWALL
CAULK (BOTH SIDES)
4 1/2"X3 1/8"STAINLESS STEEL CHANNEL BY G.C. 60" HIGH(4 1/2"X7 1/8" FOR 2X6 STUD WALL)
1X'S
2X4 STUD WALL
SEE NOTE #3 ON BACK-UP SUPPORT PLAN

DETAIL
SCALE: 3"=1'-0" (12 / A11)

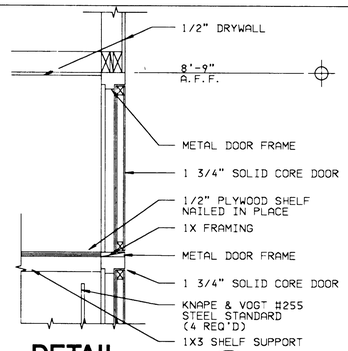


DETAIL
SCALE: 1" = 1'-0" (15 / A3) PLAN

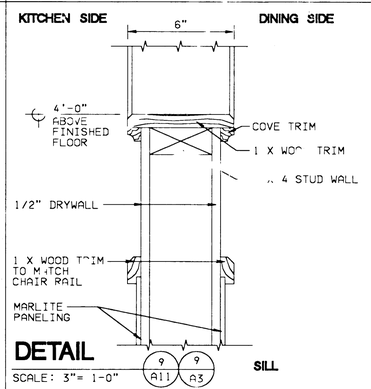

1' 10"
CORIAN BACKSPLASH
NOTCH WALL STUD TO ACCOMODATE BACK-UP SUPPORT
4"
5"
2 X 4 FRAMING
"CORIAN" VANITY TOP
CERAMIC TILE
1/2" DRYWALL
1/4" INTERIOR DUROCK UP TO 12" ABOVE SLAB (DRYWALL ABOVE)
CO-ORD HIGHT OF LAVORATORY W/ SHEET R01
2' 10"
2' 6 1/8"
FR. TOP OF SLAB TO TOP OF BACK SPLASH W/HIGHT OF LAVORATORY

NOTE: PIPES UNDER VANITIES SHOULD BE BOXED OR WRAPPED.

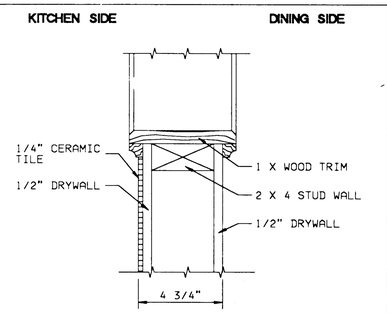
DETAIL
SCALE: 1" = 1'-0" (3 / R1)



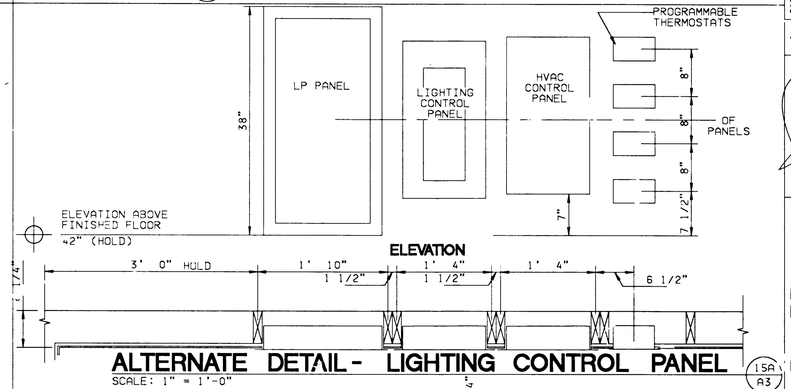
DETAIL
SCALE: 1" = 1'-0" (7 / A11)



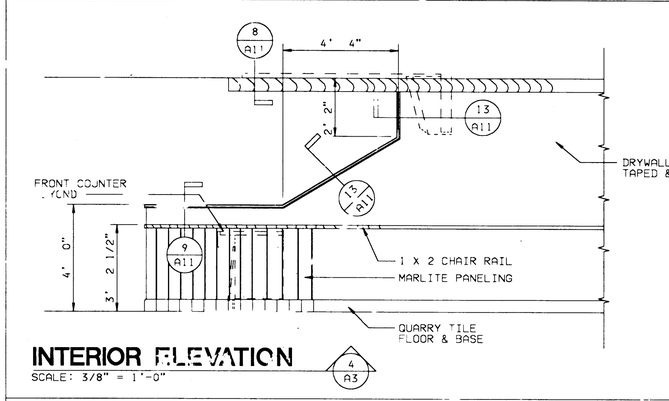
DETAIL
SCALE: 3"= 1-0" (9 / A11) (9 / A3) SILL



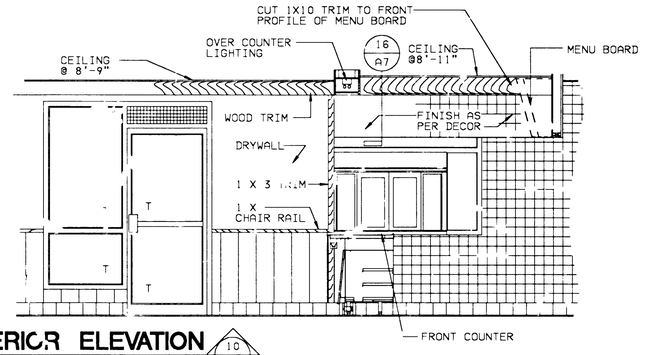
DETAIL
SCALE: 3" = 1'-0" (13 / A11) (13 / A3) JAMB



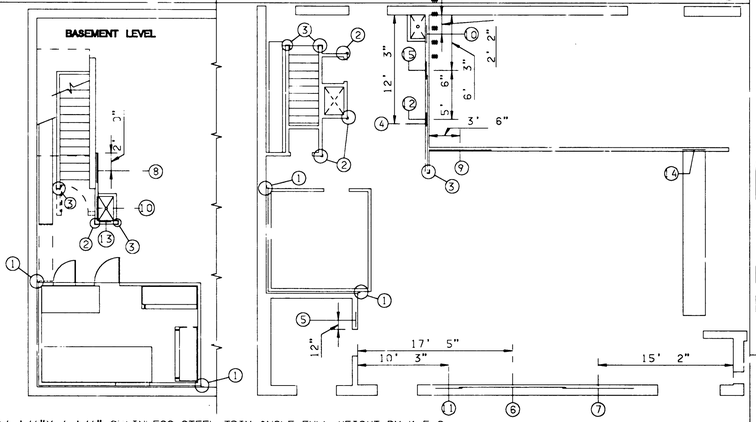
ALTERNATE DETAIL - LIGHTING CONTROL PANEL
SCALE: 1" = 1'-0" (15A / A3)



INTERIOR ELEVATION
SCALE: 3/8" = 1'-0" (4 / A3)

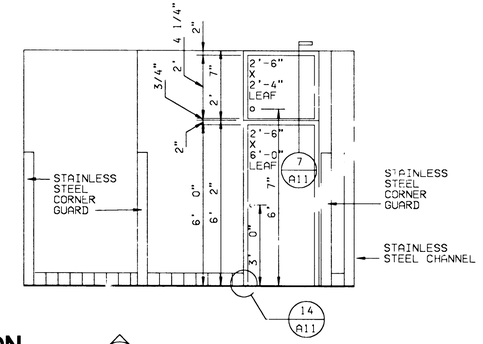


INTERIOR ELEVATION
SCALE: 3/8" = 1' - 0" (10 / A3)

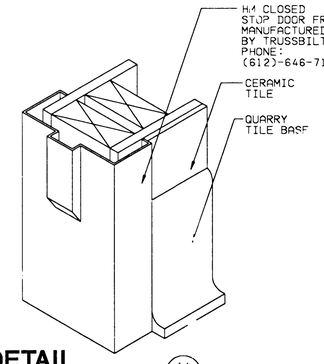


1. 4 1/4"X 4 1/4" STAINLESS STEEL TRIM ANGLE FULL HEIGHT BY K.E.S..
2. 4 1/4" X 4 1/2" X 60" HIGH STAINLESS STEEL CORNER GUARD BY G.C. SEE (11 / A11)
3. 4 1/2" X 5 1/8" X 60" HIGH STAINLESS STEEL CHANNEL BY G.C. SEE (12 / A11)
4. (1) 2X8 @ 15" A.F.F. TO OF 2X8, (1) 2X8 @ 55" A.F.F. TO OF 2X8. AND (1) 2X6 @ 83 1/2" A.F.F. TO OF 2X6. ALL 10'-6" LONG AND NOTCHED INTO STUD WALL TO FIT FLUSH WITH FACE OF STUDS.
5. 2X8 2'-0" LONG @ 32" A.F.F. TO OF 2X8 NOTCHED INTO STUD WALL. TO FIT FLUSH W/FACE OF STUDS. (FOR KITCHEN HAND SINK, SINK BY PLUMBING CONTRACTOR, BACK-UP SUPPORT BY G.C.)
6. (2) 2X6'S 12'-0" LONG (1) @ 88" A.F.F. & (1) @ 77" A.F.F. TO OF 2X6.
7. (2) 2X6'S 5'-0" LONG (1) @ 64" A.F.F. & (1) @ 35" A.F.F. TO OF 2X6.
8. (1) 2X6 8'-0" LONG AT 65" A.F.F. TO OF 2 X 6. AND (1) 2X6 5'-0" LONG AT 35" A.F.F. TO OF 2 X 6.
9. (2) 2X6'S, 3'-4" LONG, 1 @ 35" A.F.F. TO OF 2X6 AND 1 @ 83" A.F.F. TO OF 2X6. TO FIT FLUSH W/ FACE OF STUDS.
10. (1) 2X6, 7'-0" LONG AT 44" A.F.F. TO OF 2 X 6. NOTCHED INTO STUD WALL TO FIT FLUSH WITH FACE OF STUDS.
11. (2) 2X6'S, 3'-0" LONG (1) AT 6'-6" A.F.F. TO OF 2X6 AND (1) @ 3'-2" A.F.F. TO 2 X 6 BOTH NOTCHED INTO STUD WALL TO FIT FLUSH WITH FACE OF STUDS.
12. (1) 2X10. 3'-0" LONG AT 59" A.F.F. TO OF 2 X 10. NOTCHED INTO STUD WALL TO FIT FLUSH W/FACE OF STUDS
13. (2) 2X6'S, 1'-6" LONG. (1) @ 63" A.F.F. TO OF 2X6. (1) @ 69" A.F.F. TO OF 2X6. BOTH NOTCHED INTO STUD WALL TO FIT FLUSH W/FACE OF STUDS.
14. (1) 2X6 2'-0" LONG @ 63" A.F.F. TO OF 2X6 NOTCHED INTO STUD WALL TO FIT FLUSH WITH FACE OF STUDS.
15. (1) 2X6 3'-0" LONG @ 34" A.F.F. TO OF 2X6 NOTCHED INTO STUD WALL TO FIT FLUSH WITH FACE OF STUDS.
16. (1) 2X10; 2'-0" LONG @ 69" A.F.F. TO OF 2X10. NOTCHED INTO STUD WALL TO FIT FLUSH WITH FACE OF STUDS.
17. N.A.

BACK-UP SUPPORTS LAYOUT FOR KITCHEN
SCALE: 1/8" =1'-0"



ELEVATION
SCALE: 3/8" = 1'-0" (5 / A3)



DETAIL
NO SCALE (14 / A11)

NO	DESCRIPTION	DATE	BY
1	CODE UPDATE & STRUCTURAL CHANGE	01FEB90	JJC

VIEW CONVENTION — SCALE — UNITS OF MEASURE: INCH

REGISTERED ARCHITECT — No. 44961 — STATE OF ILLINOIS

McDONALD'S

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE: 37-84/89 BASEMENT

DRAWN BY	CHECKED BY	APPROVED BY	DATE CHECKED
RL	MYC	DAG	30AUG89

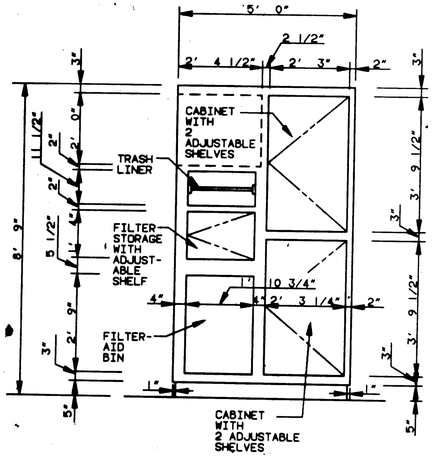
MATERIAL / DESCRIPTION — ISSUE REF — DATE ISSUED 01SEP89

DRAWING ID 9BM-3784BS — LOCAL ADDRESS

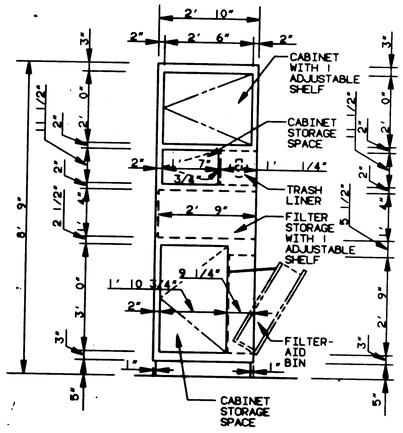
SHEET NO. A11

MCDIDA (01-Feb89)

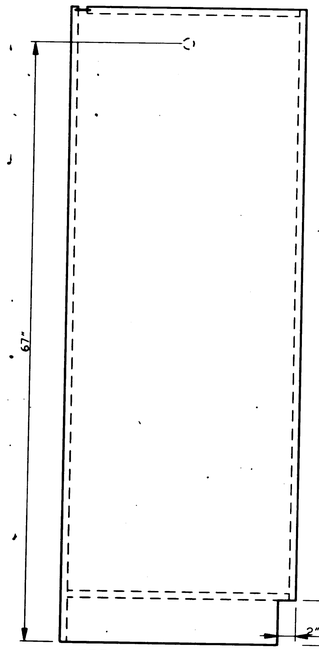
OPTIONAL STORAGE UNITS FOR KITCHEN AND CREW ROOM



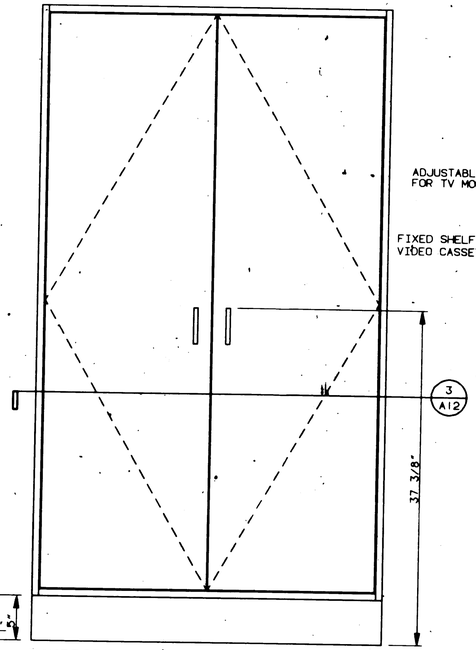
STORAGE UNIT ELEVATION
SCALE: 1/2" = 1'-0" (2/A12)



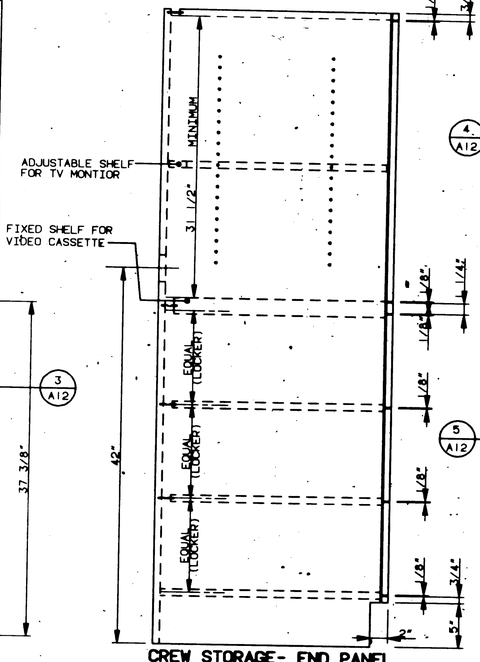
STORAGE UNIT ELEVATION
SCALE: 1/2" = 1'-0" (2/A12)



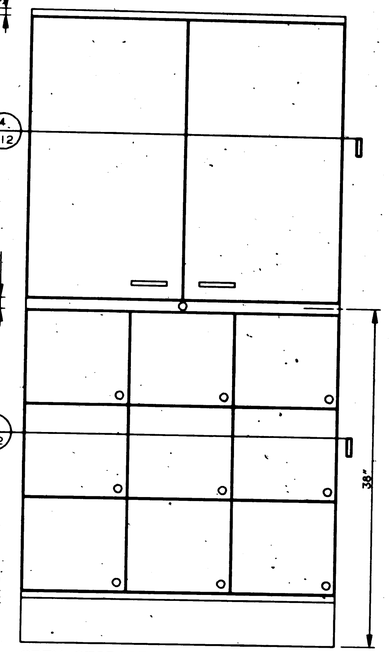
WARDROBE END PANEL
SCALE: 1 1/2=1'-0"



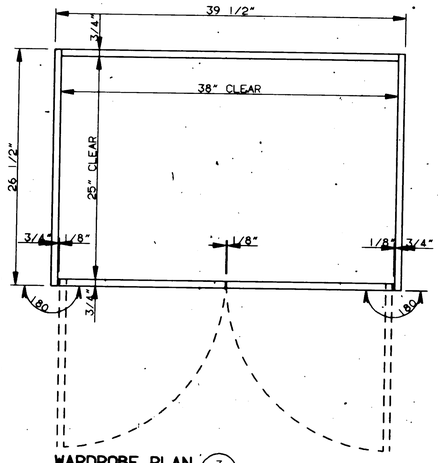
WARDROBE FRONT
SCALE: 1 1/2=1'-0"



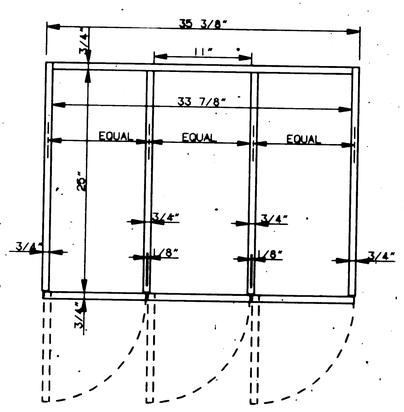
CREW STORAGE- END PANEL
SCALE: 1 1/2=1'-0"



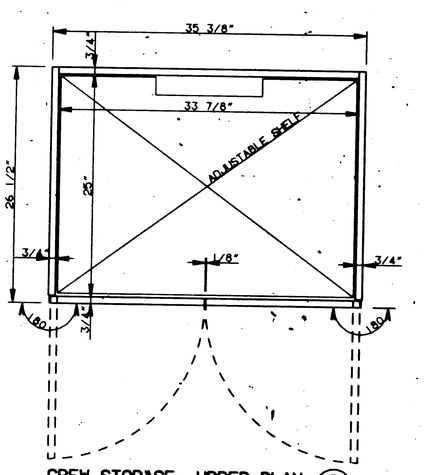
CREW STORAGE- FRONT
SCALE: 1 1/2=1'-0"



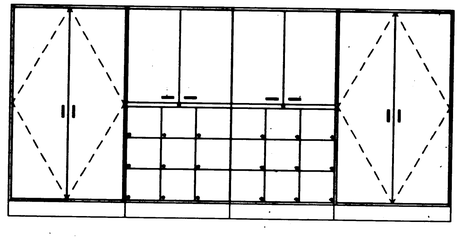
WARDROBE PLAN
SCALE: 1 1/2=1'-0" (3/A12)



CREW STORAGE- LOWER PLAN
SCALE: 1 1/2=1'-0" (4/A12)



CREW STORAGE- UPPER PLAN
SCALE: 1 1/2=1'-0" (5/A12)



CREW ROOM STORAGE ELEVATION
SCALE: 3/4"=1'-0"

NOTES

1. EDGE AND FACE EACH DOOR IN PLASTIC LAMINATE.
2. TYPICAL 1/8" REVEALS.
3. RANDOMLY KEY LOCKS IN LOCKERS AND CABINETS.
4. TOE SPACE FINISH TO BE EXTERIOR GRADE PLYWOOD TO ACCEPT QUARRY TILE BASE.
5. TOP OF CABINET TO BE PLASTIC LAMINATE.
6. INSIDES, SHELVES AND END PANELS OF WARDROBE AND STORAGE UNIT SHALL BE PLASTIC LAMINATE.
7. OUTSIDE BACK PANEL OF WARDROBE AND STORAGE UNIT SHALL BE PAINTED.
8. DOOR PULLS SHALL BE STANLEY #448 3 1/2". CABINET LOCKS SHALL BE YALE 511 WITH 511 STRIKE OR EQUAL. LOCKER LOCKS SHALL BE 5115 WITH 5115 STRIKE OR EQUAL.
9. PROVIDE CLOSET POLE AND BRACKETS IN WARDROBE UNIT.
10. DRAWING INDICATES PEG HOLES FOR ADJUSTIBLE SHELF IN STORAGE UNIT. VERIFY WEIGHT OF TV MONITOR.
11. PROVIDE 3" DIAMETER CUT-OUT AT CENTER LINE OF STORAGE BACK PANEL AT 42" FOR ELECTRICAL CONNECTION.
12. PROVIDE CUT-OUT IN ADJUSTABLE SHELF OF STORAGE UNIT FOR ELECRTRICAL CONNECTION BETWEEN MONITOR AND VIDEO TAPE PLAYER.
13. FOR 37 SERIES BUILDING PACKAGES INCLUDE TWO (2) 3"FILLER PANELS.
14. ALL DOORS, EXCEPT LOCKER DOORS, SHALL HAVE 180 DEGREE HINGES.
15. PROVIDE LEVELING GLIDES ON WARDROBE AND STORAGE UNIT.
16. ALL DOORS TO HAVE EUROPEAN TYPE HINGES, GRASS AMERICA, INC. OR EQUAL.
17. PROVIDE ABS PLASTIC VENT/SECURITY SCREEN AT EACH LOCKER, AT TOP OF STORAGE CABINET AND AT TOP OF WARDROBE CABINET.

REV | DATE | DESCRIPTION | BY | ISSUE DATE
VIDEO CONVENTION | SCALE | UNITS OF MEASURE

REGISTERED ARCHITECT JOHN EMERY CAMP NO. 4498 ADDISON MASS. REGISTERED BY THE COMMONWEALTH

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

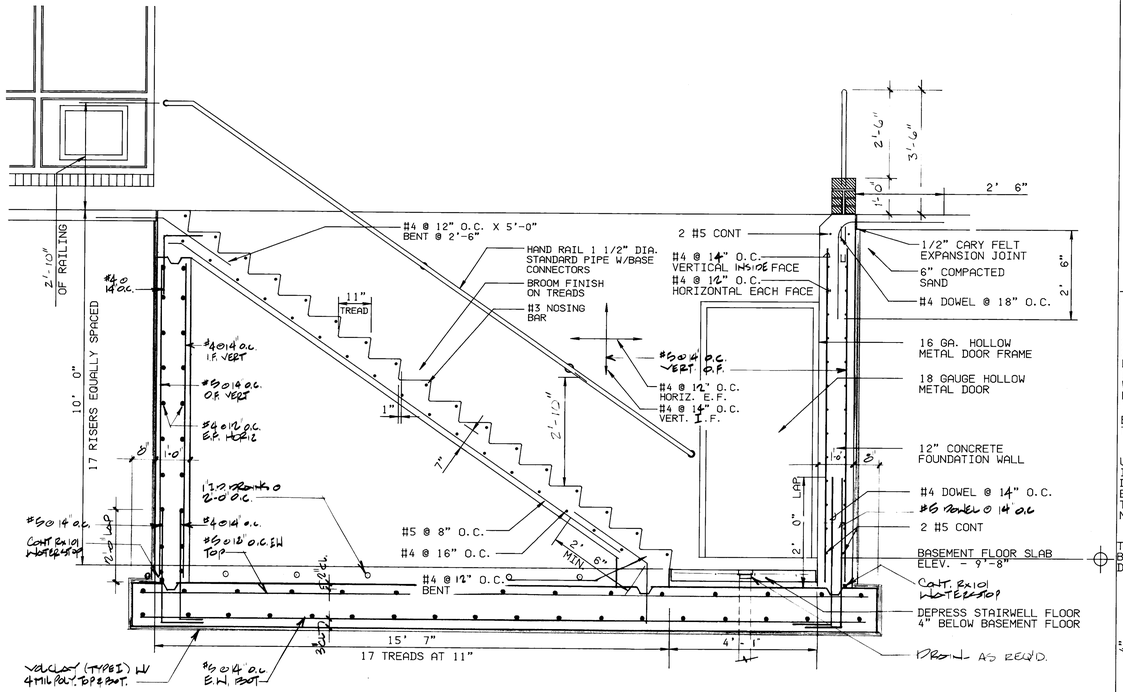
McDONALD'S CORPORATION
ARCHITECTURE
OAK BROOK, ILLINOIS 60521

DRAWN BY: WMD | MATERIAL / DESCRIPTION | CHECKED BY: JK | DATE CHECKED: 3000E05 | DATE APPROVED: 3000E06 | APPROVED BY: JK | DATE ISSUED: 05.MAR.86 | LEGAL #698LOG

TITLE:

SHEET NO: A12

698LOG - 15.00

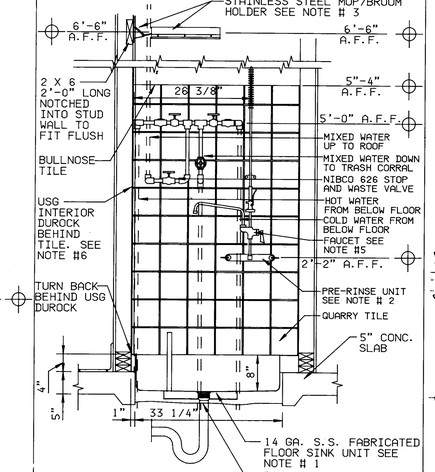

#4 @ 12" O.C. X 5'-0" BENT @ 2'-6"
HAND RAIL 1 1/2" DIA. STANDARD PIPE W/BASE CONNECTORS
BROOM FINISH ON TREADS
#3 NOSING BAR
#4 @ 14" O.C. VERTICAL INSIDE FACE
#4 @ 12" O.C. HORIZONTAL EACH FACE
2 #5 CONT
1/2" CARY FELT EXPANSION JOINT
6" COMPACTED SAND
#4 DOWEL @ 18" O.C.
16 GA. HOLLOW METAL DOOR FRAME
18 GAUGE HOLLOW METAL DOOR
12" CONCRETE FOUNDATION WALL
#4 DOWEL @ 14" O.C.
#5 DOWEL @ 14" O.C.
2 #5 CONT
BASEMENT FLOOR SLAB ELEV. - 9'-8"
CONT. RX101 WATERSTOP
DEPRESS STAIRWELL FLOOR 4" BELOW BASEMENT FLOOR
DRAIN AS REQ'D.
2'-10" OF RAILING
10' 0" 17 RISERS EQUALLY SPACED
11" TREAD
7"
2'-11"
#5 @ 8" O.C.
#4 @ 16" O.C. BENT
#5 @ 14" O.C.
CONT RX101 WATERSTOP
#5 @ 12" O.C. E.W. TOP
#4 @ 14" O.C.
#5 @ 14" O.C. E.W. BOT
VOLCLAY (TYPE I) W/ 4 MIL POLY TOP & BOT.
15' 7"
17 TREADS AT 11"
4'-1"
2'-6"
3'-6"
1'-0"
2' 6"
6"
2'
12' 0" LAP
MIN 2' 6"

SECTION

SCALE: 1/2" = 1'-0" (1 A1 / 1 A2A)

MOP SINK NOTES

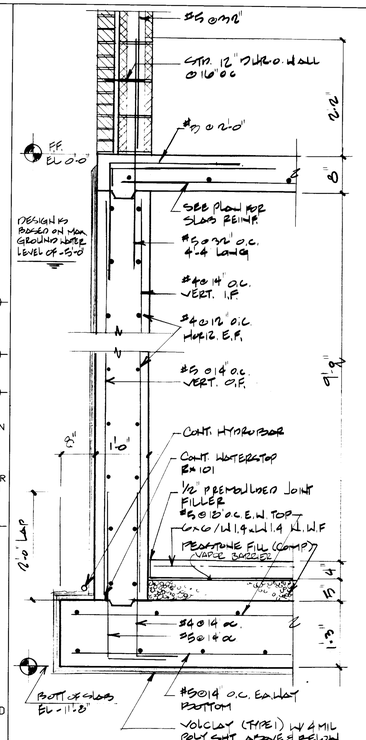
1. MOP SINK WITH INTEGRAL MOP WRINGER HOLDER ORDERED BY MC DONALD'S FROM H&K DALLAS AND INSTALLED BY G.C.
2. PRE-RINSE UNIT (FISHER MODEL #2210-WB) ORDERED BY MC DONALD'S FROM H&K DALLAS AND INSTALLED BY G.C.
3. STAINLESS STEEL MOP/BROOM HOLDER ORDERED BY MC DONALD'S FROM H&K DALLAS AND INSTALLED BY G.C.
4. CASPER # 140-NC DRAIN WITH CAULKING NUT TO FIT 2" PIPE (FURNISHED WITH SINK UNIT)
5. FISHER #2901 ADD-ON FAUCET W/10" SPOUT ORDERED BY MC DONALD'S FROM H&K DALLAS AND INSTALLED BY G.C.
6. USE USG INTERIOR DUROCK BEHIND QUARRY TILE UP TO 5'-4" A.F.F. USE WATER RESISTANT GYPSUM BOARD ABOVE 5'-4".


STAINLESS STEEL MOP/BROOM HOLDER SEE NOTE # 3
6'-6" A.F.F.
6'-6" A.F.F.
2 X 6 2'-0" LONG NOTCHED INTO STUD WALL TO FIT FLUSH
26 3/8"
5"-4" A.F.F.
5'-0" A.F.F.
MIXED WATER UP TO ROOF
MIXED WATER DOWN TO TRASH CORRAL
NIBCO 626 STOP AND WASTE VALVE
HOT WATER FROM BELOW FLOOR
COLD WATER FROM BELOW FLOOR
FAUCET SEE NOTE #5
BULLNOSE TILE
2'-2" A.F.F.
USG INTERIOR DUROCK BEHIND TILE. SEE NOTE #6
PRE-RINSE UNIT SEE NOTE # 2
TURN BACK BEHIND USG DUROCK
QUARRY TILE
5" CONC. SLAB
8"
4"
5"
1"
33 1/4"
14 GA. S.S. FABRICATED FLOOR SINK UNIT SEE NOTE # 1
DRAIN SEE NOTE # 4

SECTION

SCALE: 3/4"=1'-0" (4 A13)

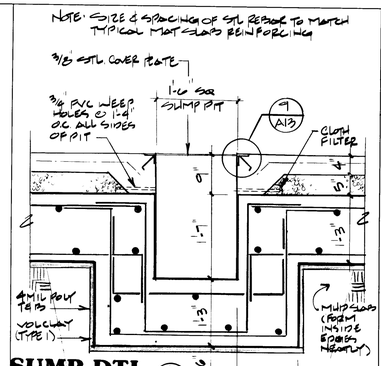
OMIT WATER MIXING VALVES FOR BASEMENT SINK MOP


#5 @ 14" O.C.
CONT. 12" THKD. W. WALL @ 16'-0" O.C.
#5 @ 12" O.C.
EF EL 0'-0"
DESIGN IS BASED ON VOL GROUND WATER LEVEL OF -5'-0
SEE PLAN FOR SLAB REINF.
#5 @ 12" O.C. 4'-0 LONG
#4 @ 14" O.C. VERT. I.F.
#4 @ 12" O.C. HOR. E.F.
8"
5'-3"
1'-0"
CONT. HYDROBOR
CONT. WATERSTOP RX 101
1/2" PREMOLDED JOINT FILLER
#5 @ 12" O.C. E.W. TOP
6"x6"/W14xW1.4 W.W.F
PEASTONE FILL (COMP.)
VAPOR BARRIER
12'-0" LAP
#5 @ 14" O.C.
#5 @ 14" O.C. E.W. BOTTOM
BOTT OF SLOPE EL -11'-3"
VOLCLAY (TYPE I) W/ 4 MIL POLY, CONT. ABOVE & BELOW VOLCLAY

SECTION

SCALE: 3/4"=1'-0" (7 A13)

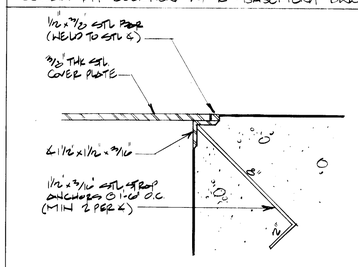
NOTE: SIZE & SPACING OF STL REBAR TO MATCH TYPICAL MAT SLABS REINFORCING



SUMP DTL.

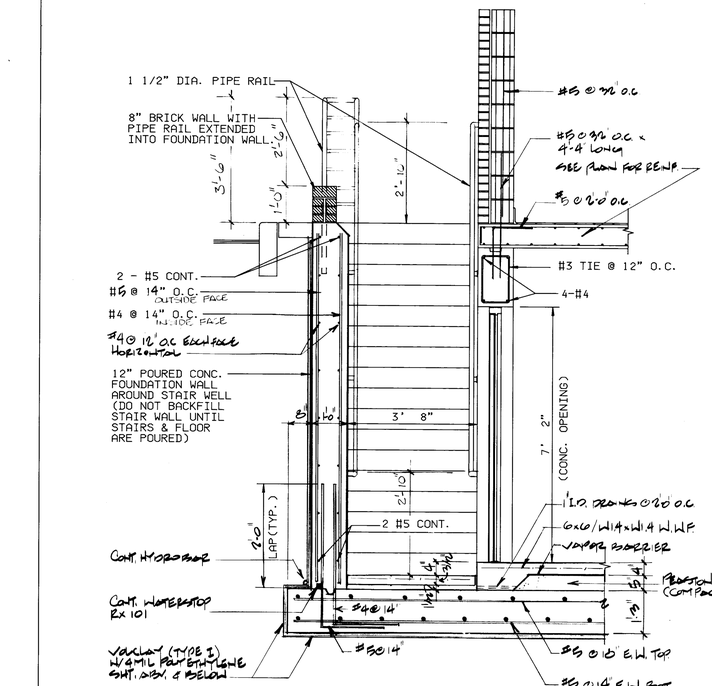
(8 A13) SCALE: 3/4"=1'-0"

NOTE: VERIFY EXACT SIZE OF SUMP PIT W/ DIMENSIONS OF PUMP CHOSEN FOR THE PROJECT. PIT LOCATION W/ K-BASEMENT DWGS.



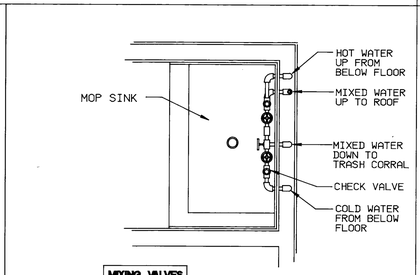
COVER PLATE DETAIL

(7 A13) SCALE: 3"=1'-0"


1 1/2" DIA. PIPE RAIL
8" BRICK WALL WITH PIPE RAIL EXTENDED INTO FOUNDATION WALL
#5 @ 12" O.C.
#5 @ 12" O.C. x 4'-4 LONG SEE PLAN FOR REINF.
#5 @ 12" O.C.
#3 TIE @ 12" O.C.
4-#4
2 - #5 CONT.
#5 @ 14" O.C. OUTSIDE FACE
#4 @ 14" O.C. INSIDE FACE
#4 @ 12" O.C. EACH FACE HORIZONTAL
12" POURED CONC. FOUNDATION WALL AROUND STAIR WELL (DO NOT BACKFILL STAIR WALL UNTIL STAIRS & FLOOR ARE POURED)
3' 8"
7' 2" (CONC. OPENING)
2'-10" LAP (TYP.)
2 #5 CONT.
CONT. HYDROBOR
CONT. WATERSTOP RX 101
#5 @ 14"
VOLCLAY (TYPE I) W/ 4 MIL POLYETHYLENE SHT. BTW. & BELOW
#5 @ 12" E.W. TOP
#5 @ 14" E.W. BOT

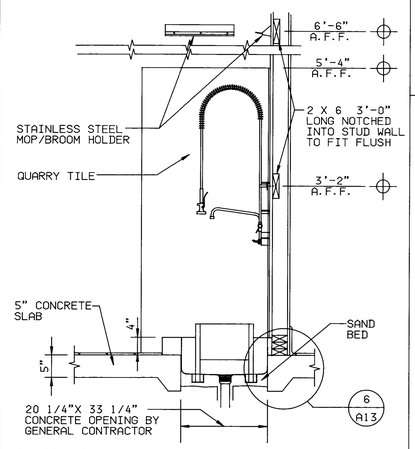
SECTION

SCALE: 1/2"=1'-0" (2 A1 / 2 A2A)


MOP SINK
HOT WATER UP FROM BELOW FLOOR
MIXED WATER UP TO ROOF
MIXED WATER DOWN TO TRASH CORRAL
CHECK VALVE
COLD WATER FROM BELOW FLOOR

PLAN

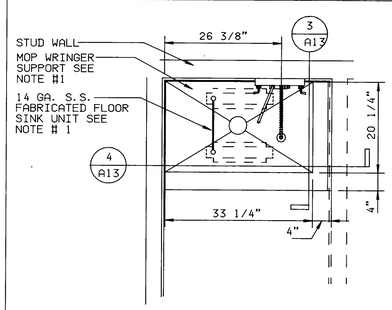
MIXING VALVES AT JANITORS CLOSET ONLY



SECTION

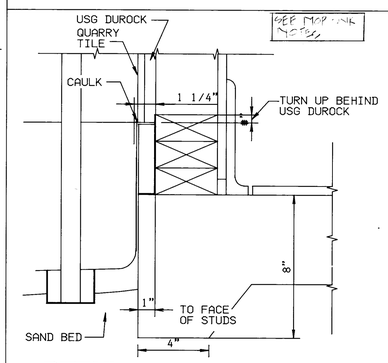
SCALE: 3/4"=1'-0" (3 A13)

SEE MOP SINK NOTES THIS SHEET



PLAN

SCALE: 3/4"=1'-0" (5 R1 / 5 A2A)



DETAIL

SCALE: 3"=1'-0" (6 A13)

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

REV	DATE	DESCRIPTION	BY	ISSUE REF
1	01FEB90	CODE UPDATE & STRUCTURAL CHANGES	JJC	-/-
2	7-19-90	REBAR CHANGES SECTION 2/7	TFT	-/-

SCALE: UNITS OF MEASURE: INCH

VIEW CONVENTION

REGISTERED ARCHITECT — No. 8496 — ANDOVER, MASS. — COMMONWEALTH OF MASSACHUSETTS

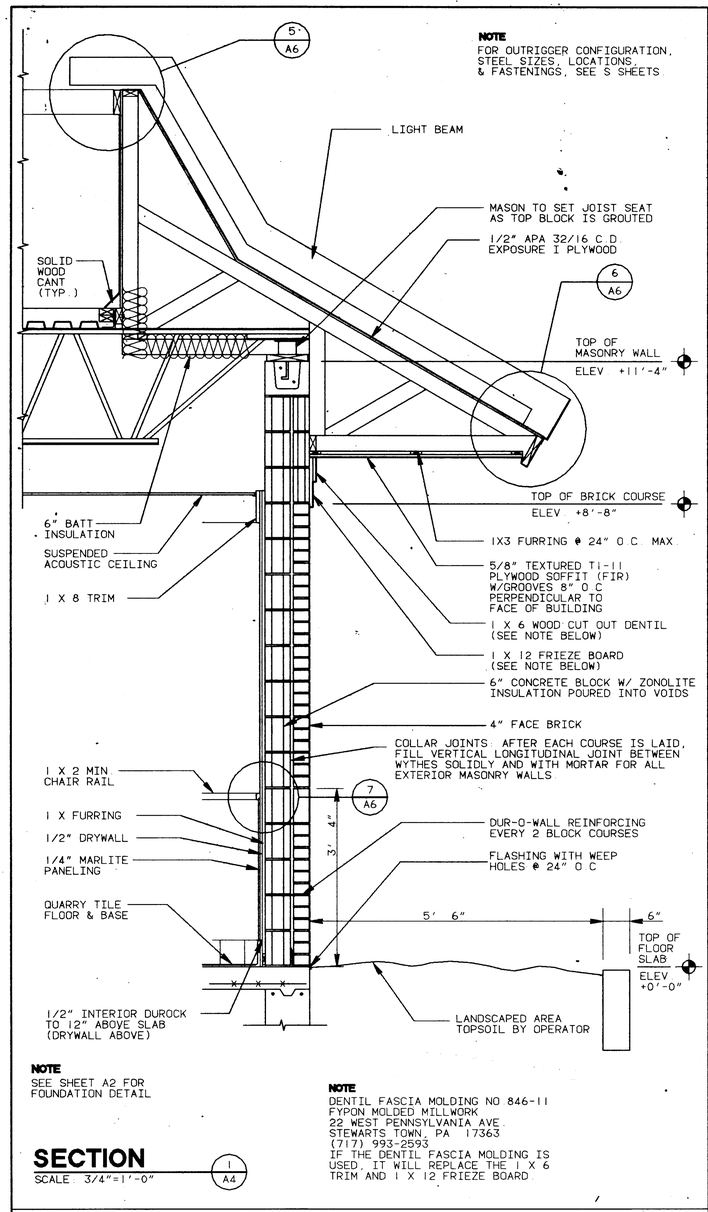
TITLE	37-84/89 BASEMENT
DRAWN BY	MATERIAL / DESCRIPTION
DATE DRAWN	01AUG89
DRAWING ID	9BM -3784BS-
CHECKED BY	MARK
APPROVED BY	
ISSUE REF	-/-
DATE CHECKED	30AUG89
DATE APPROVED	30AUG89
DATE ISSUED	01SEP89

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

LOCAL ADDRESS: EXECUTIVE - CRESCENT STREET

SHEET NO. A13B

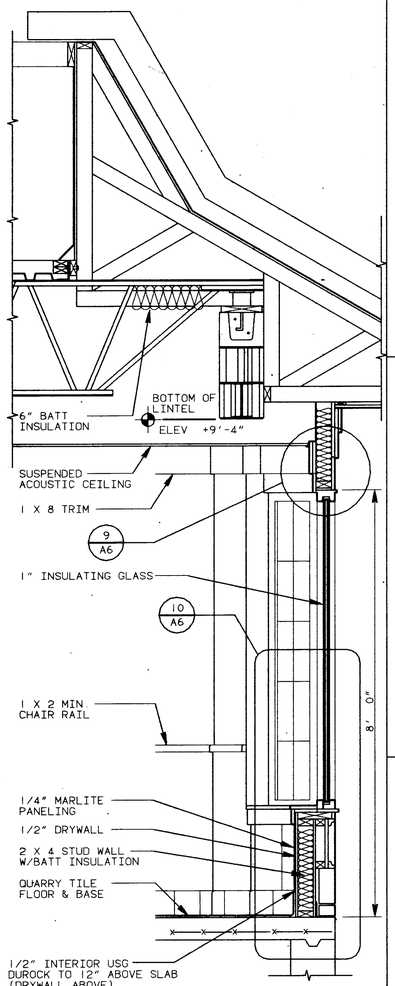
MCD104 (01FEB89)


5
A6
LIGHT BEAM
MASON TO SET JOIST SEAT AS TOP BLOCK IS GROUTED
1/2" APA 32/16 C.D EXPOSURE 1 PLYWOOD
SOLID WOOD CANT (TYP.)
6
A6
TOP OF MASONRY WALL
ELEV. +11'-4"
TOP OF BRICK COURSE
ELEV. +8'-8"
6" BATT INSULATION
SUSPENDED ACOUSTIC CEILING
1 X 8 TRIM
1X3 FURRING @ 24" O.C. MAX.
5/8" TEXTURED T1-11 PLYWOOD SOFFIT (FIR) W/GROOVES 8" O.C PERPENDICULAR TO FACE OF BUILDING
1 X 6 WOOD CUT OUT DENTIL (SEE NOTE BELOW)
1 X 12 FRIEZE BOARD (SEE NOTE BELOW)
6" CONCRETE BLOCK W/ ZONOLITE INSULATION POURED INTO VOIDS
4" FACE BRICK
COLLAR JOINTS AFTER EACH COURSE IS LAID, FILL VERTICAL LONGITUDINAL JOINT BETWEEN WYTHES SOLIDLY AND WITH MORTAR FOR ALL EXTERIOR MASONRY WALLS
1 X 2 MIN. CHAIR RAIL
7
A6
3' 4"
1 X FURRING
1/2" DRYWALL
1/4" MARLITE PANELING
DUR-O-WALL REINFORCING EVERY 2 BLOCK COURSES
FLASHING WITH WEEP HOLES @ 24" O.C
QUARRY TILE FLOOR & BASE
5' 6"
6"
TOP OF FLOOR SLAB
ELEV. +0'-0"
1/2" INTERIOR DUROCK TO 12" ABOVE SLAB (DRYWALL ABOVE)
LANDSCAPED AREA TOPSOIL BY OPERATOR

NOTE
SEE SHEET A2 FOR FOUNDATION DETAIL

SECTION
SCALE: 3/4"=1'-0" (1 / A4)

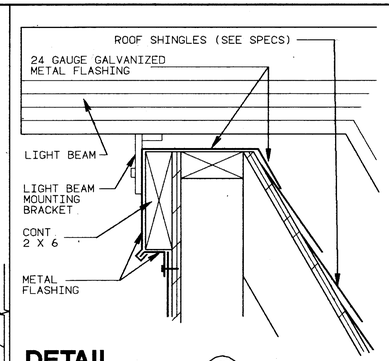
NOTE
DENTIL FASCIA MOLDING NO 846-11
FYPON MOLDED MILLWORK
22 WEST PENNSYLVANIA AVE
STEWARTS TOWN, PA 17363
(717) 993-2593
IF THE DENTIL FASCIA MOLDING IS USED, IT WILL REPLACE THE 1 X 6 TRIM AND 1 X 12 FRIEZE BOARD



NOTE
SEE SHEET A2 FOR FOUNDATION DETAIL

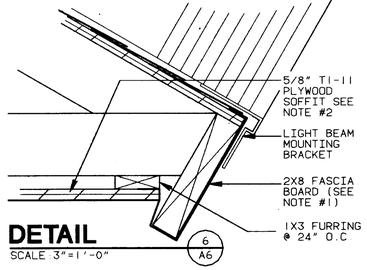
NOTE
ANDERSEN PERMA-SHEILD CASEMENT BOW WINDOW
MODEL C-46 BOW-W (4 BOW)
OR C-36 BOW-W (3 BOW)
MUNTINS WILL BE FURNISHED BY SUPPLIER FOR ALL WINDOWS

SECTION
SCALE: 3/4"=1'-0" (3 / A3) (3 / A6) (3 / SX1)

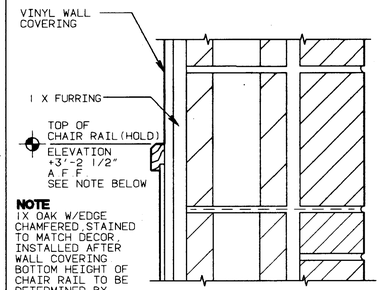


DETAIL
SCALE: 3"=1'-0" (5 / A6)

DETAIL NOTES
1 FOR BUILDINGS WITH MASONRY EXTERIORS WRAP 2X8 FASCIA BOARD WITH 24 GA. GALV. METAL FLASHING PAINTED TO MATCH TRIM. FOR BUILDINGS WITH WOOD EXTERIORS FASCIA TO BE 2X8 ROUGH SAWN CEDAR STAINED TO MATCH TRIM
2 5/8" T1-11 PLYWOOD SOFFIT TO BE FIR & GROOVED @ 8"O.C. GROOVES TO BE PERPENDICULAR TO FACE OF BUILDING

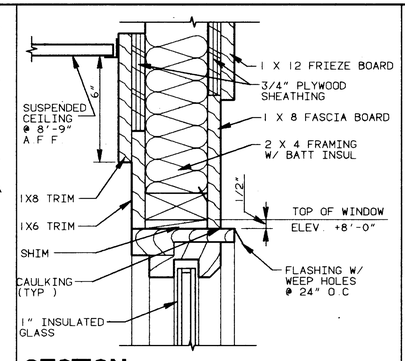


DETAIL
SCALE: 3"=1'-0" (6 / A6)



NOTE
1X OAK W/EDGE CHAMFERED STAINED TO MATCH DECOR. INSTALLED AFTER WALL COVERING BOTTOM HEIGHT OF CHAIR RAIL TO BE DETERMINED BY DECOR MANUFACTURER (INSTALLED BY G.C.)

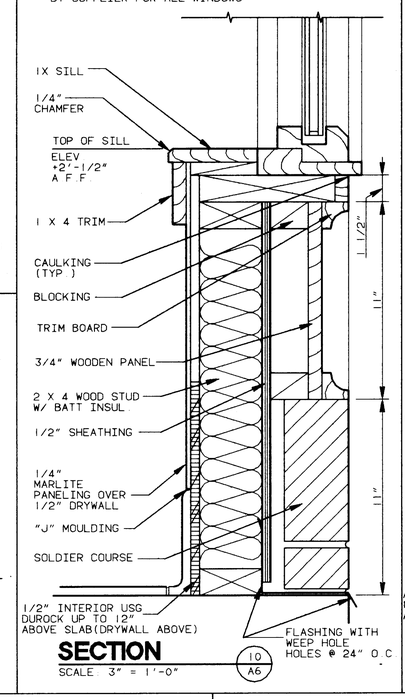
DETAIL
SCALE: 3"=1'-0" (7 / A6)



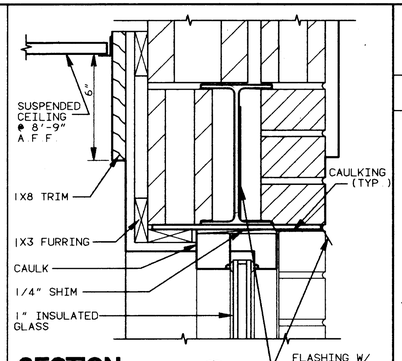
SECTION
SCALE: 3" = 1'-0" (9 / A6)

NOTE
ANDERSEN PERMA-SHIELD CASEMENT BOW WINDOW
MODEL C-46 BOW-W (4 BOW)
OR C-36 BOW-W (3 BOW)

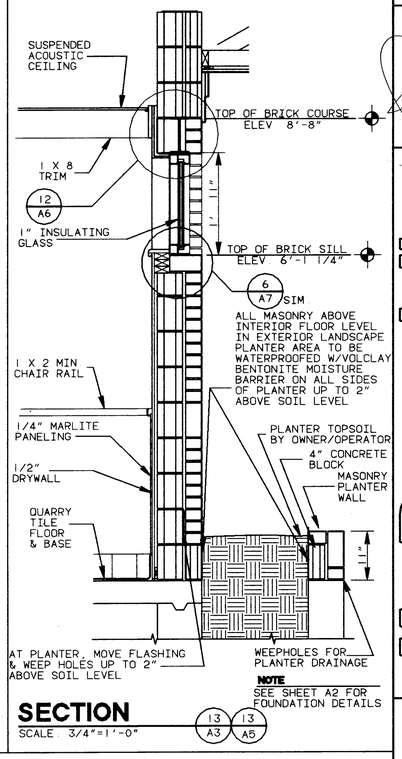
MUNTINS WILL BE FURNISHED BY SUPPLIER FOR ALL WINDOWS



SECTION
SCALE: 3" = 1'-0" (10 / A6)



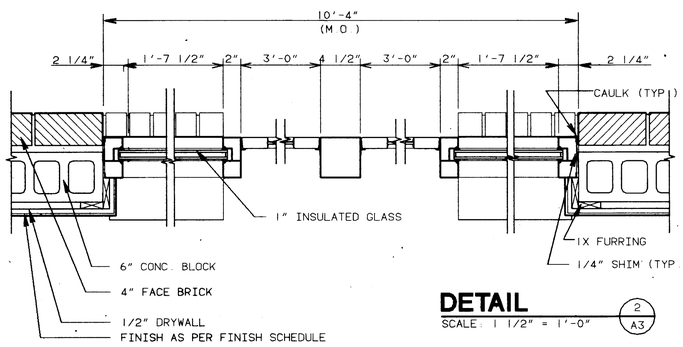
SECTION
SCALE: 3" = 1'-0" (12 / A6)


SUSPENDED ACOUSTIC CEILING
TOP OF BRICK COURSE ELEV. 8'-8"
1 X 8 TRIM
12
A6
1" INSULATING GLASS
TOP OF BRICK SILL ELEV. 6'-1 1/4"
1' 11"
6
A7 SIM
ALL MASONRY ABOVE INTERIOR FLOOR LEVEL IN EXTERIOR LANDSCAPE PLANTER AREA TO BE WATERPROOFED W/VOLCLAY BENTONITE MOISTURE BARRIER ON ALL SIDES OF PLANTER UP TO 2" ABOVE SOIL LEVEL
1 X 2 MIN. CHAIR RAIL
1/4" MARLITE PANELING
1/2" DRYWALL
PLANTER TOPSOIL BY OWNER/OPERATOR
4" CONCRETE BLOCK
MASONRY PLANTER WALL
QUARRY TILE FLOOR & BASE
1' 1"
AT PLANTER, MOVE FLASHING & WEEP HOLES UP TO 2" ABOVE SOIL LEVEL
WEEPHOLES FOR PLANTER DRAINAGE

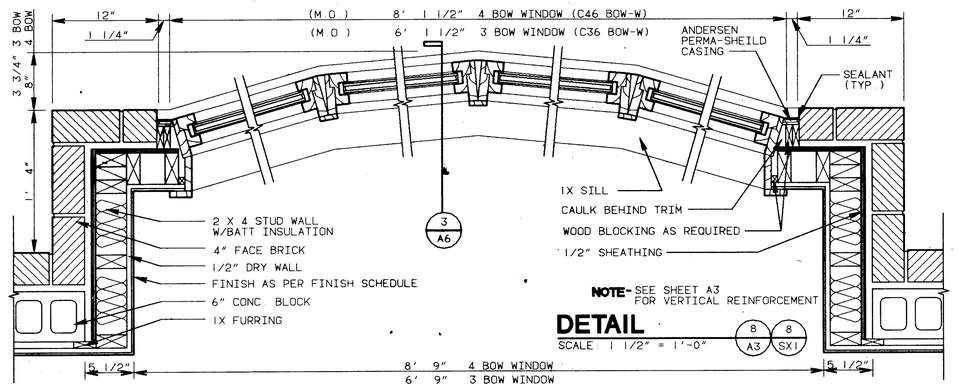
NOTE
SEE SHEET A2 FOR FOUNDATION DETAILS

SECTION
SCALE: 3/4"=1'-0" (13 / A3) (13 / A5)

NOTE- SEE SHEET A3 FOR VERTICAL REINFORCEMENT

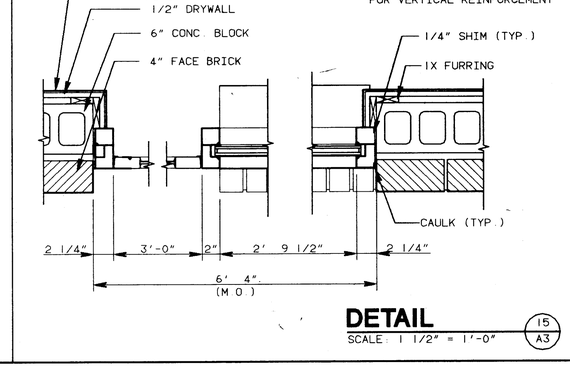


DETAIL
SCALE: 1 1/2" = 1'-0" (2 / A3)



NOTE- SEE SHEET A3 FOR VERTICAL REINFORCEMENT

DETAIL
SCALE: 1 1/2" = 1'-0" (8 / A3) (8 / SX1)



NOTE- SEE SHEET A3 FOR VERTICAL REINFORCEMENT

DETAIL
SCALE: 1 1/2" = 1'-0" (15 / A3)

REV	DATE	DESCRIPTION	BY	ISSUE REF
		VIEW CONVENTION SCALE	UNITS OF MEASURE	INCH

REGISTERED ARCHITECT No. 14496 COMMONWEALTH OF PENNSYLVANIA

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE: 37-104/89 COLONIAL

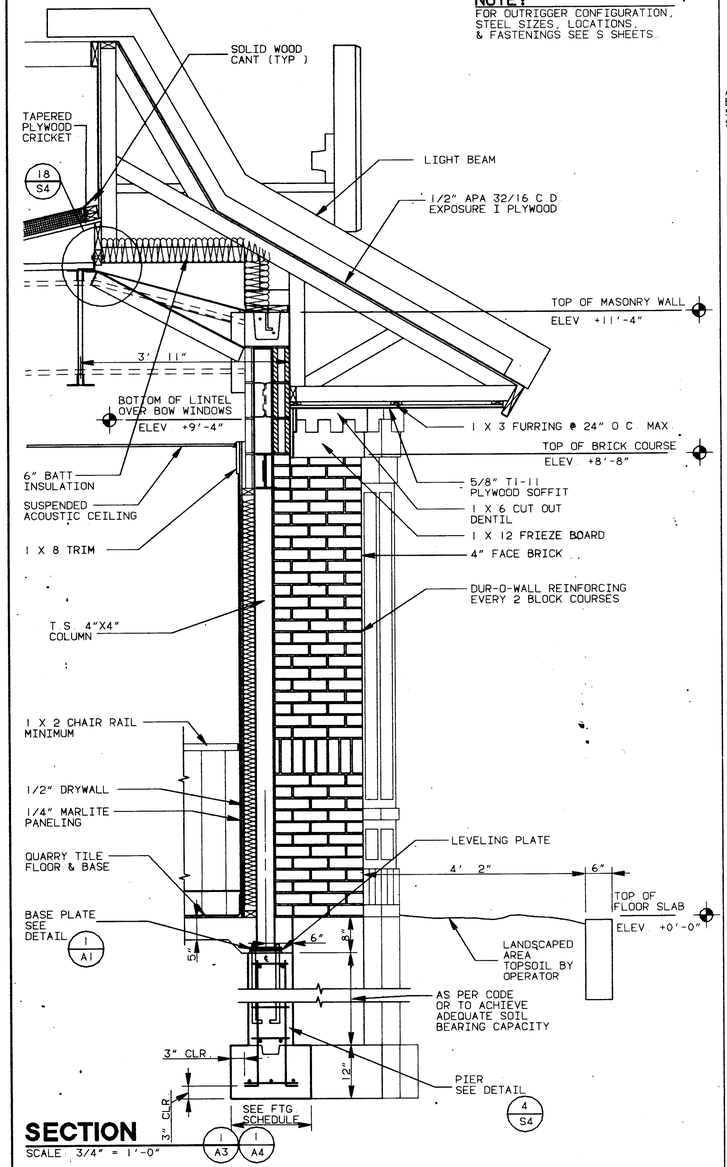
DRAWN BY	CHECKED BY	DATE CHECKED
JMS	MAR	30AUG89
DATE DRAWN	APPROVED BY	DATE APPROVED
01JUN89	CJB	30AUG89
DRAWING ID	DATE ISSUED	ISSUE REF
9XMCO-3704	30AUG89	

MATERIAL / DESCRIPTION

SHEET NO: A06
COLONIAL

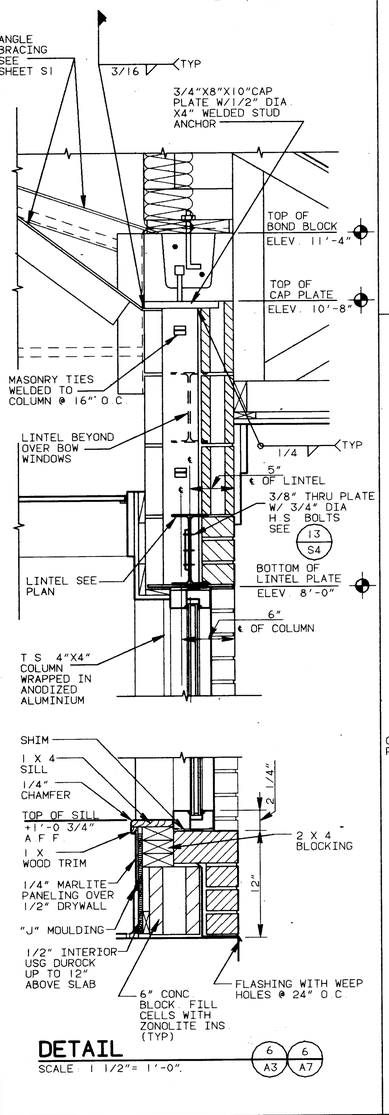
MCD104 (01FEB89)

NOTE: FOR OUTRIGGER CONFIGURATION, STEEL SIZES, LOCATIONS, & FASTENINGS SEE S SHEETS.

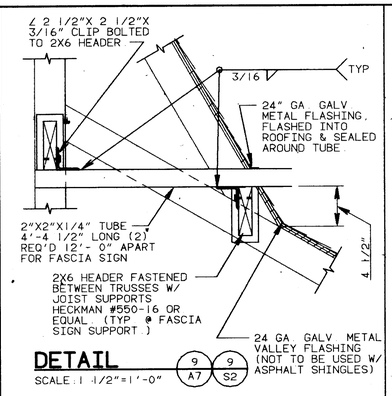

SOLID WOOD CANT (TYP.)
TAPERED PLYWOOD CRICKET
18 S4
LIGHT BEAM
1/2" APA 32/16 C-D EXPOSURE 1 PLYWOOD
TOP OF MASONRY WALL ELEV. +11'-4"
3' 11"
BOTTOM OF LINTEL OVER BOW WINDOWS ELEV. +9'-4"
1 X 3 FURRING @ 24" O.C. MAX.
TOP OF BRICK COURSE ELEV. +8'-8"
6" BATT INSULATION
SUSPENDED ACOUSTIC CEILING
1 X 8 TRIM
5/8" T1-11 PLYWOOD SOFFIT
1 X 6 CUT OUT DENTIL
1 X 12 FRIEZE BOARD
4" FACE BRICK
DUR-O-WALL REINFORCING EVERY 2 BLOCK COURSES
T.S. 4"X4" COLUMN
1 X 2 CHAIR RAIL MINIMUM
1/2" DRYWALL
1/4" MARLITE PANELING
QUARRY TILE FLOOR & BASE
BASE PLATE SEE DETAIL 1 A1
LEVELING PLATE
4' 2"
6"
TOP OF FLOOR SLAB ELEV. +0'-0"
LANDSCAPED AREA TOPSOIL BY OPERATOR
AS PER CODE OR TO ACHIEVE ADEQUATE SOIL BEARING CAPACITY
3" CLR.
12"
PIER SEE DETAIL 4 S4
SEE FTG SCHEDULE
1 A3
1 A4

SECTION
SCALE: 3/4" = 1'-0"

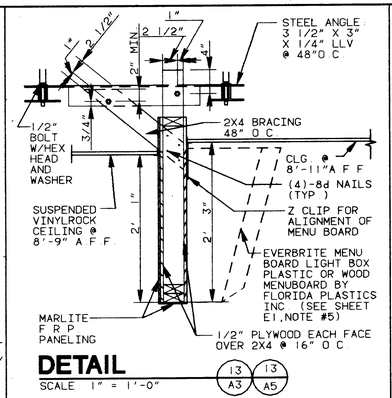
NOTE: CONTRACTOR TO PROVIDE TEMPORARY BRACING FOR STEEL COLUMN UNTIL ANGLE BRACING IS INSTALLED.


ANGLE BRACING SEE SHEET S1
3/16 TYP
3/4"X8"X10" CAP PLATE W/1/2" DIA. X4" WELDED STUD ANCHOR
TOP OF BOND BLOCK ELEV. 11'-4"
TOP OF CAP PLATE ELEV. 10'-8"
MASONRY TIES WELDED TO COLUMN @ 16" O.C.
LINTEL BEYOND OVER BOW WINDOWS
1/4 TYP
5" ℄ OF LINTEL
3/8" THRU PLATE W/ 3/4" DIA H.S. BOLTS SEE 13 S4
BOTTOM OF LINTEL PLATE ELEV. 8'-0"
6" ℄ OF COLUMN
LINTEL SEE PLAN
T.S. 4"X4" COLUMN WRAPPED IN ANODIZED ALUMINIUM
SHIM
1 X 4 SILL
1/4" CHAMFER
TOP OF SILL +1'-0 3/4" A.F.F.
1 X WOOD TRIM
1/4" MARLITE PANELING OVER 1/2" DRYWALL
"J" MOULDING
1/2" INTERIOR USG DUROCK UP TO 12" ABOVE SLAB
2 X 4 BLOCKING
12"
6" CONC. BLOCK FILL CELLS WITH ZONOLITE INS. (TYP.)
FLASHING WITH WEEP HOLES @ 24" O.C.

DETAIL
SCALE: 1 1/2"= 1'-0" — 6 A3 / 6 A7

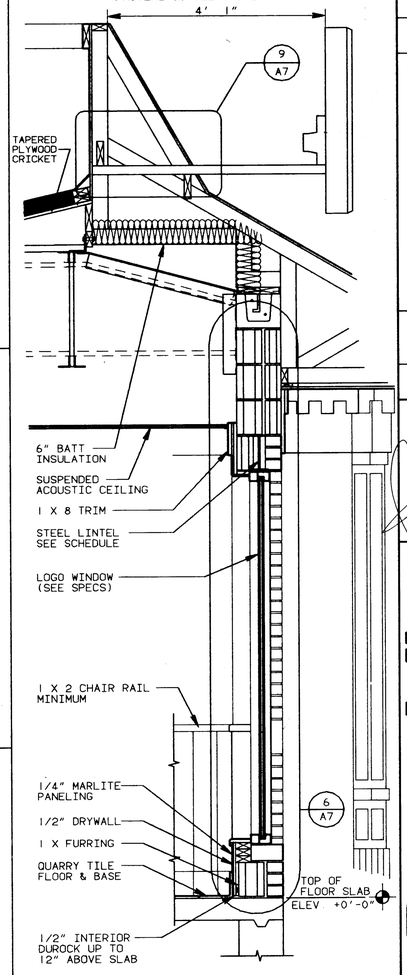

∠ 2 1/2"X 2 1/2"X 3/16" CLIP BOLTED TO 2X6 HEADER
3/16 TYP
24" GA. GALV. METAL FLASHING, FLASHED INTO ROOFING & SEALED AROUND TUBE
2"X2"X1/4" TUBE 4'-4 1/2" LONG (2) REQ'D 12'-0" APART FOR FASCIA SIGN
4 1/2"
2X6 HEADER FASTENED BETWEEN TRUSSES W/ JOIST SUPPORTS HECKMAN #550-16 OR EQUAL (TYP @ FASCIA SIGN SUPPORT)
24 GA. GALV. METAL VALLEY FLASHING (NOT TO BE USED W/ ASPHALT SHINGLES)

DETAIL
SCALE: 1 1/2"=1'-0" — 9 A7 / 9 S2

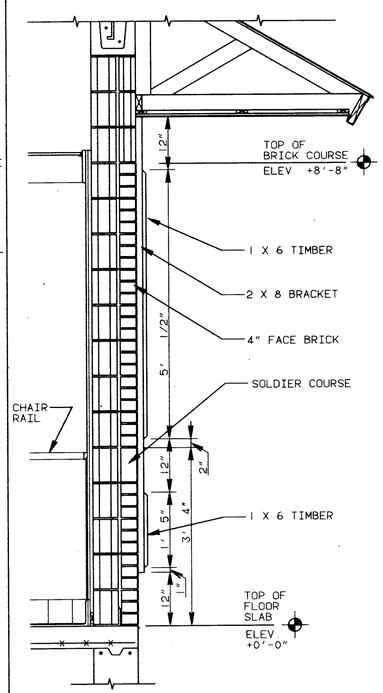

1"
2 1/2"
2" MIN.
4"
STEEL ANGLE 3 1/2" X 3" X 1/4" LLV @ 48"O.C.
1/2" BOLT W/HEX HEAD AND WASHER
3/4"
2X4 BRACING 48" O.C.
CLG. @ 8'-11"A.F.F.
(4)-8d NAILS (TYP.)
SUSPENDED VINYLROCK CEILING @ 8'-9" A.F.F.
1'
2'
3'
Z CLIP FOR ALIGNMENT OF MENU BOARD
EVERBRITE MENU BOARD LIGHT BOX PLASTIC OR WOOD MENUBOARD BY FLORIDA PLASTICS INC. (SEE SHEET E1, NOTE #5)
MARLITE F.R.P. PANELING
1/2" PLYWOOD EACH FACE OVER 2X4 @ 16" O.C.

DETAIL
SCALE: 1" = 1'-0" — 13 A3 / 13 A5

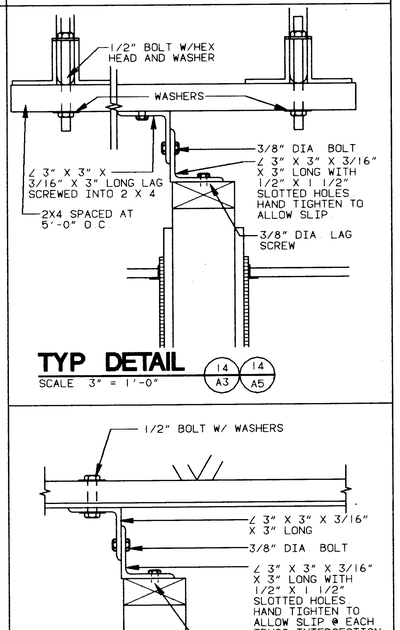
NOTE FOR OUTRIGGER CONFIGURATION, STEEL SIZES, LOCATIONS, FASTENINGS SEE S SHEETS.



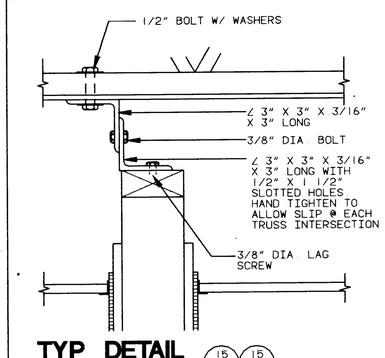
SECTION
SCALE: 3/4" = 1'-0" — 17 A5



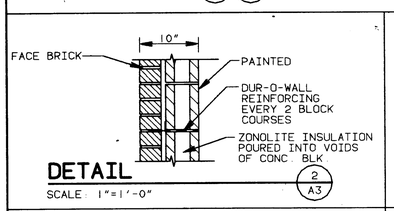
SECTION
SCALE: 3/4" = 1'-0" — 10 A4


1/2" BOLT W/HEX HEAD AND WASHER
WASHERS
3/8" DIA. BOLT
∠ 3" X 3" X 3/16" X 3" LONG WITH 1/2" X 1 1/2" SLOTTED HOLES HAND TIGHTEN TO ALLOW SLIP
∠ 3" X 3" X 3/16" LONG LAG SCREWED INTO 2 X 4
2X4 SPACED AT 5'-0" O.C.
3/8" DIA. LAG SCREW

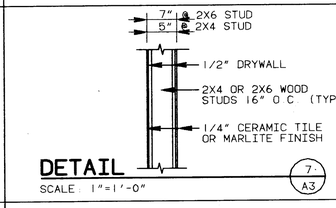
TYP DETAIL
SCALE: 3" = 1'-0" — 14 A3 / 14 A5


1/2" BOLT W/ WASHERS
∠ 3" X 3" X 3/16" X 3" LONG
3/8" DIA. BOLT
∠ 3" X 3" X 3/16" X 3" LONG WITH 1/2" X 1 1/2" SLOTTED HOLES HAND TIGHTEN TO ALLOW SLIP @ EACH TRUSS INTERSECTION
3/8" DIA. LAG SCREW

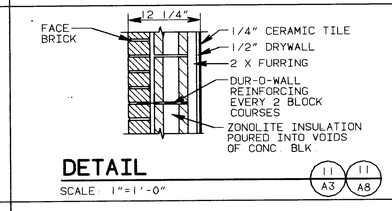
TYP DETAIL
SCALE: 3" = 1'-0" — 15 A3 / 15 A4



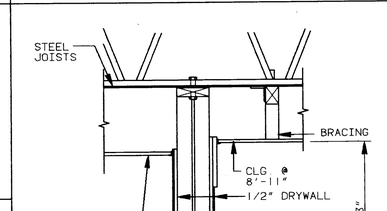
DETAIL
SCALE: 1"=1'-0" — 2 A3



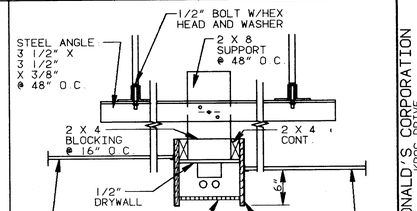
DETAIL
SCALE: 1"=1'-0" — 7 A3



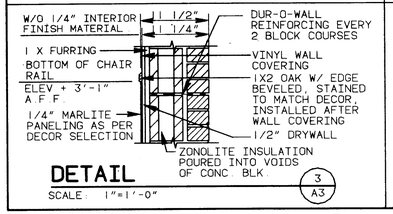
DETAIL
SCALE: 1"=1'-0" — 11 A3 / 11 A8



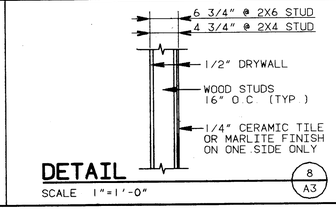
DETAIL
SCALE: 1"=1'-0" — 16 A3 / 16 A4 / 16 A11


1/2" BOLT W/HEX HEAD AND WASHER
STEEL ANGLE ∠ 1/2" X 1/2" X 3/8" @ 48" O.C.
2 X 8 SUPPORT @ 48" O.C.
2 X 4 BLOCKING @ 16" O.C.
2 X 4 CONT.
1/2" DRYWALL
EGG CRATE DIFFUSER
1 3/4"
1 X 12 FINISHED BOTH SIDES TO MATCH DECOR
SUSPENDED ACOUSTICAL TILE CEILING @ 8'-11" A.F.F.
SUSPENDED ACOUSTICAL TILE CEILING @ 8'-9" A.F.F.

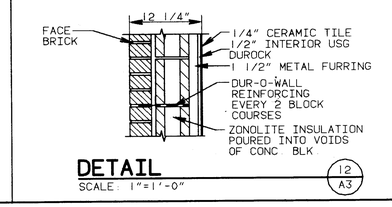
DETAIL
SCALE: 1" = 1'-0" — 18 A5


W/O 1/4" INTERIOR FINISH MATERIAL
1 1/2"
1 1/4"
DUR-O-WALL REINFORCING EVERY 2 BLOCK COURSES
1 X FURRING
BOTTOM OF CHAIR RAIL ELEV + 3'-1" A.F.F.
VINYL WALL COVERING
1X2 OAK W/ EDGE BEVELED, STAINED TO MATCH DECOR, INSTALLED AFTER WALL COVERING
1/4" MARLITE PANELING AS PER DECOR SELECTION
1/2" DRYWALL
ZONOLITE INSULATION POURED INTO VOIDS OF CONC. BLK

DETAIL
SCALE: 1"=1'-0" — 3 A3



DETAIL
SCALE: 1"=1'-0" — 8 A3


12 1/4"
FACE BRICK
1/4" CERAMIC TILE
1/2" INTERIOR USG DUROCK
1 1/2" METAL FURRING
DUR-O-WALL REINFORCING EVERY 2 BLOCK COURSES
ZONOLITE INSULATION POURED INTO VOIDS OF CONC. BLK

DETAIL
SCALE: 1"=1'-0" — 12 A3

REV	DATE	VIEW CONVENTION	SCALE	DESCRIPTION	UNITS OF MEASURE	BY	ISSUE REF
					INCH		

REGISTERED ARCHITECT — STATE OF ILLINOIS — NO. 0495 — ANDOVER, MASS.

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

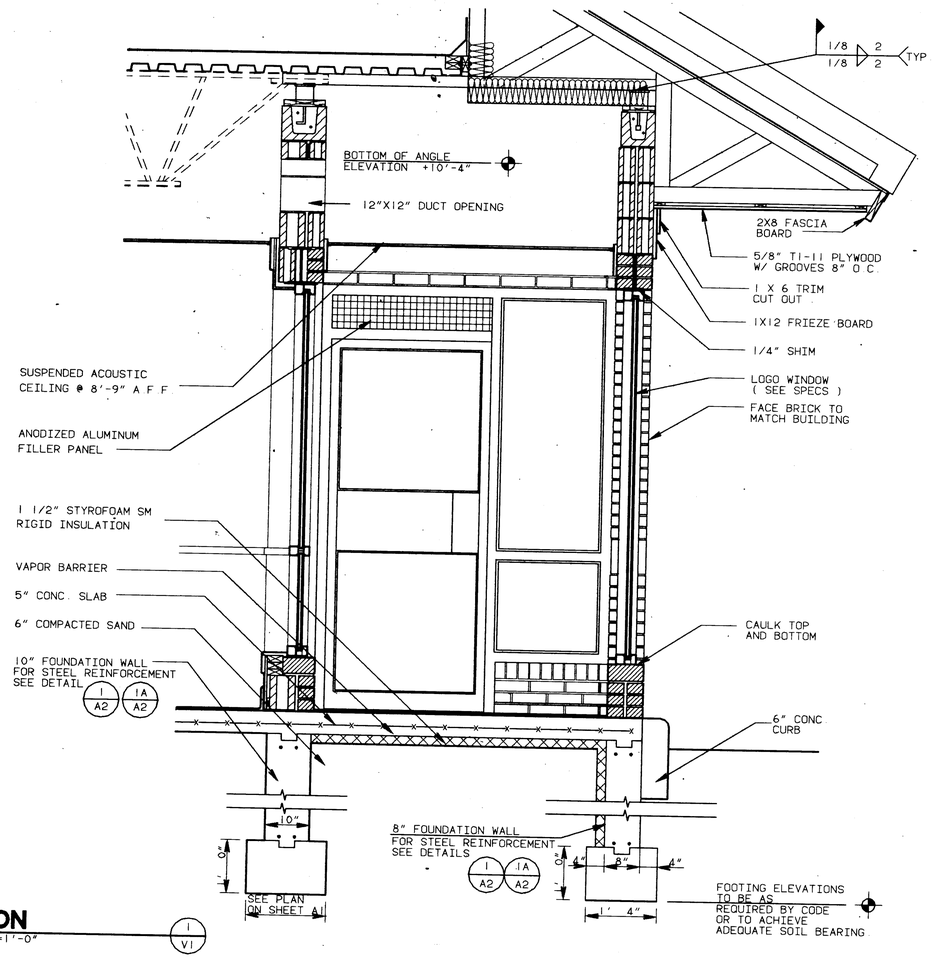
LOCAL ADDRESS

McDONALD'S CORPORATION
KROL DRIVE
OAK BROOK, ILLINOIS 60521

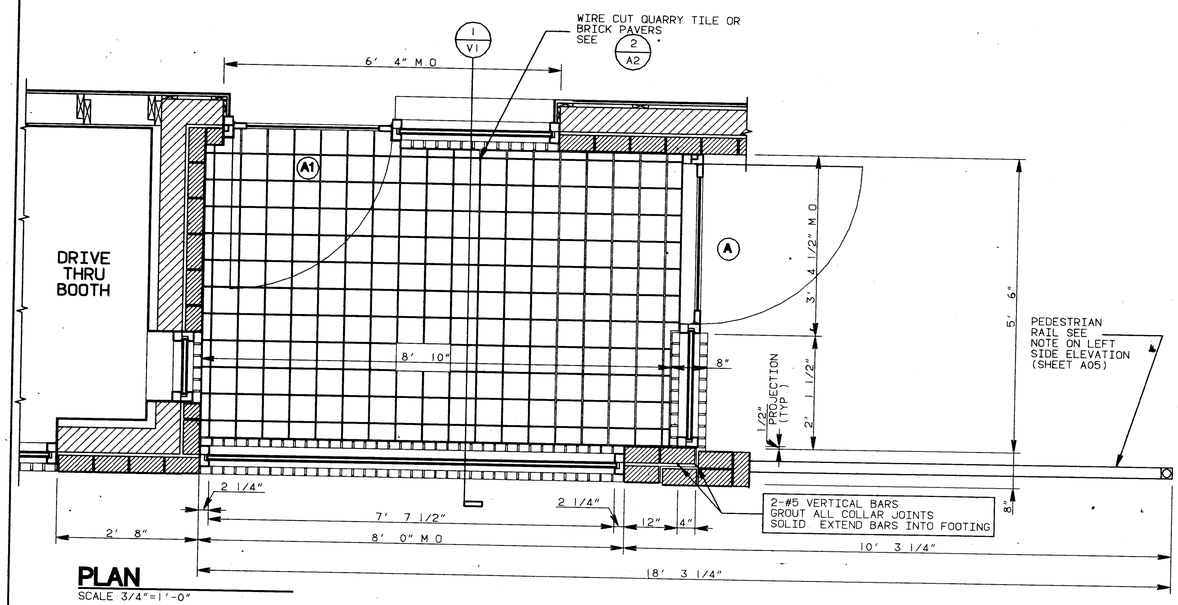
TITLE 37-104/89 COLONIAL	MATERIAL / DESCRIPTION	CHECKED BY MAR	DATE CHECKED 30AUG89
DRAWN BY JMS		APPROVED BY GLB	DATE APPROVED 30AUG89
DATE DRAWN 01JUN89		ISSUE REF —	DATE ISSUED 30AUG89
DRAWING ID 9XMCO-3704			

SHEET NO. A07 COLONIAL

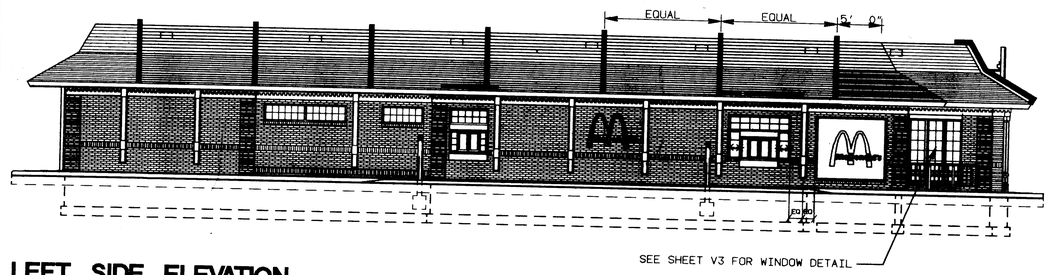
MCD102 (01FEB89)


1/8 2 TYP
1/8 2
BOTTOM OF ANGLE ELEVATION +10'-4"
12"X12" DUCT OPENING
2X8 FASCIA BOARD
5/8" T1-11 PLYWOOD W/ GROOVES 8" O C
1 X 6 TRIM CUT OUT
1X12 FRIEZE BOARD
1/4" SHIM
LOGO WINDOW (SEE SPECS)
FACE BRICK TO MATCH BUILDING
SUSPENDED ACOUSTIC CEILING @ 8'-9" A F F
ANODIZED ALUMINUM FILLER PANEL
1 1/2" STYROFOAM SM RIGID INSULATION
VAPOR BARRIER
5" CONC SLAB
6" COMPACTED SAND
10" FOUNDATION WALL FOR STEEL REINFORCEMENT SEE DETAIL 1 A2 1A A2
CAULK TOP AND BOTTOM
6" CONC CURB
10"
6"
SEE PLAN ON SHEET A1
8" FOUNDATION WALL FOR STEEL REINFORCEMENT SEE DETAILS 1 A2 1A A2
6"
4"
8"
4"
1' 4"
FOOTING ELEVATIONS TO BE AS REQUIRED BY CODE OR TO ACHIEVE ADEQUATE SOIL BEARING

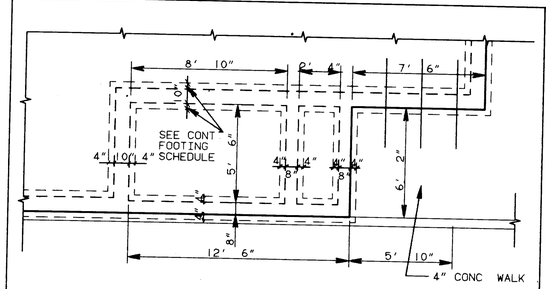
SECTION
SCALE 3/4"=1'-0"



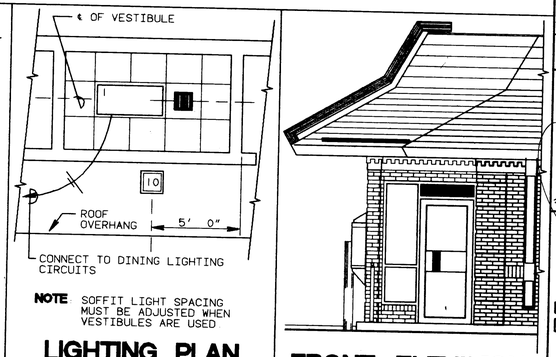
PLAN
SCALE 3/4"=1'-0"



LEFT SIDE ELEVATION
SCALE 1/8"=1'-0"



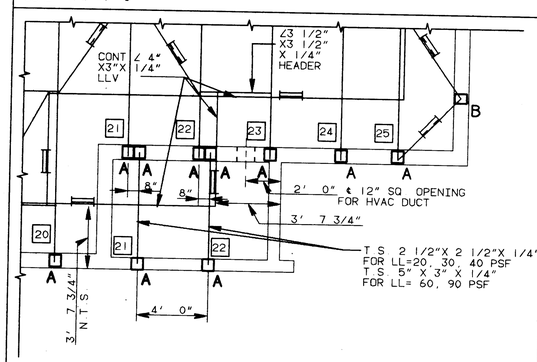
FOUNDATION PLAN
SCALE 1/4"=1'-0"



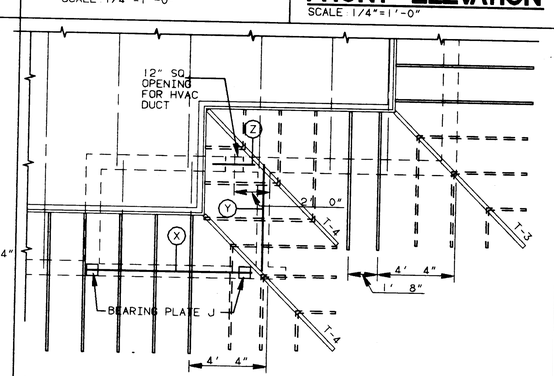
NOTE SOFFIT LIGHT SPACING MUST BE ADJUSTED WHEN VESTIBULES ARE USED

LIGHTING PLAN
SCALE 1/4"=1'-0"

FRONT ELEVATION
SCALE 1/4"=1'-0"



STEEL FRAMING PLAN
SCALE 1/4"=1'-0"



MANSARD FRAMING PLAN
SCALE 1/4"=1'-0"

LIGHT FIXTURE SCHEDULE

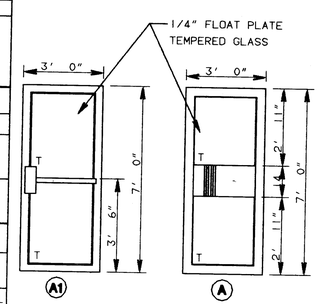
MARK	TYPE	DIFFUSER	LAMP		INSTALLATION			MFR CAT NO
			WATTAGE	ORDER NO	CL'G TYPE	MOUNTING	LOCATION	
1	2X4 FLOURESCENT	PRISMATIC ACRYLIC OR PLASTIC GUARD	4-40	F40 CW/RS/WM F40 WW/RS/WM	SUSPENDED ACOUSTIC	LAY-IN	VESTIBULE CEILING	SEE SHEET E8

HARDWARE SCHEDULE

MARK	LEAF SIZE	TYPE	FRAME	HINGE	LATCH-CATCH	ACCESSORIES	
A	3'-0 X 7'-0 (SEE DOOR TYPE)	ALUMINUM/GLASS	ALUMINUM	PIVOT	MID-PANEL SELF-CLOSE PUSH-PULL	WEATHERSTRIP THRESHOLD	
A1	3'-0 X 7'-0 (SEE DOOR TYPE)	ALUMINUM/GLASS	ALUMINUM	PIVOT	SELF-CLOSE PUSH-PULL	WEATHERSTRIP THRESHOLD	

LINTEL SCHEDULE

MARK	SHP	20 PSF,30 PSF,40 PSF,60 PSF,90 PSF LIVE LOAD	QTY	LENGTH	ELEVATION	REMARKS
X	I	W8 X 15 & 1/4" X 7 1/2" PL	1	9'-0"	8'-0" TO BOTTOM OF PL	SEE DETAIL 1/S2
Y	⊥	(2) ∠ 5" X 3 1/2" X 5/16" LLV	1	6'-2"	8'-0" TO BOTTOM OF ∠	SEE DETAIL 2/S2
Z	⊥	(1) ∠ 5" X 3 1/2" X 5/16" LLH (1) ∠ 3 1/2" X 3 1/2" X 5/16"	1	2'-0"	10'-4" TO BOTTOM OF ∠	SEE DETAIL 2/S2 SIM



DOOR TYPE
SCALE 3/8"=1'-0"

REV	DATE	DESCRIPTION	BY	ISSUE REF
VIEW CONVENTION		SCALE	UNITS OF MEASURE	INCH

REGISTERED ARCHITECT COMMONWEALTH OF MASSACHUSETTS No. 4496 ANDOVER, MASS.

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

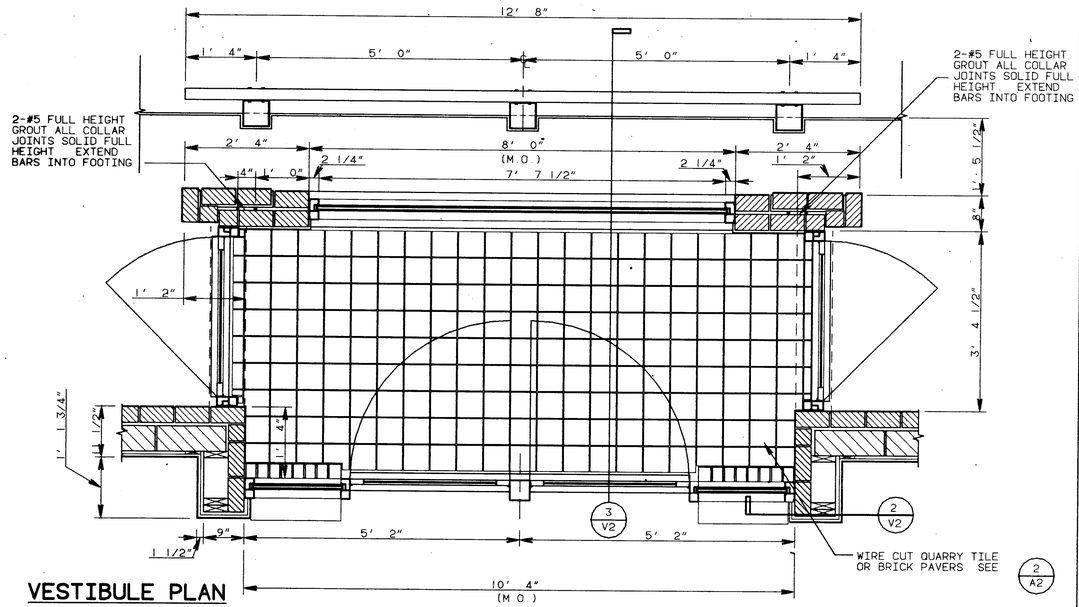
TITLE 37-104/89 COLONIAL

DRAWN BY	DATE DRAWN	MATERIAL / DESCRIPTION	CHECKED BY	DATE CHECKED	LOCAL ADDRESS
JRS	01JUN89		MAR	30AUG89	
			APPROVED BY	DATE APPROVED	
			CMC	30AUG89	
				ISSUE REF	DATE ISSUED
					30AUG89

DRAWING ID 9XMCO-3704

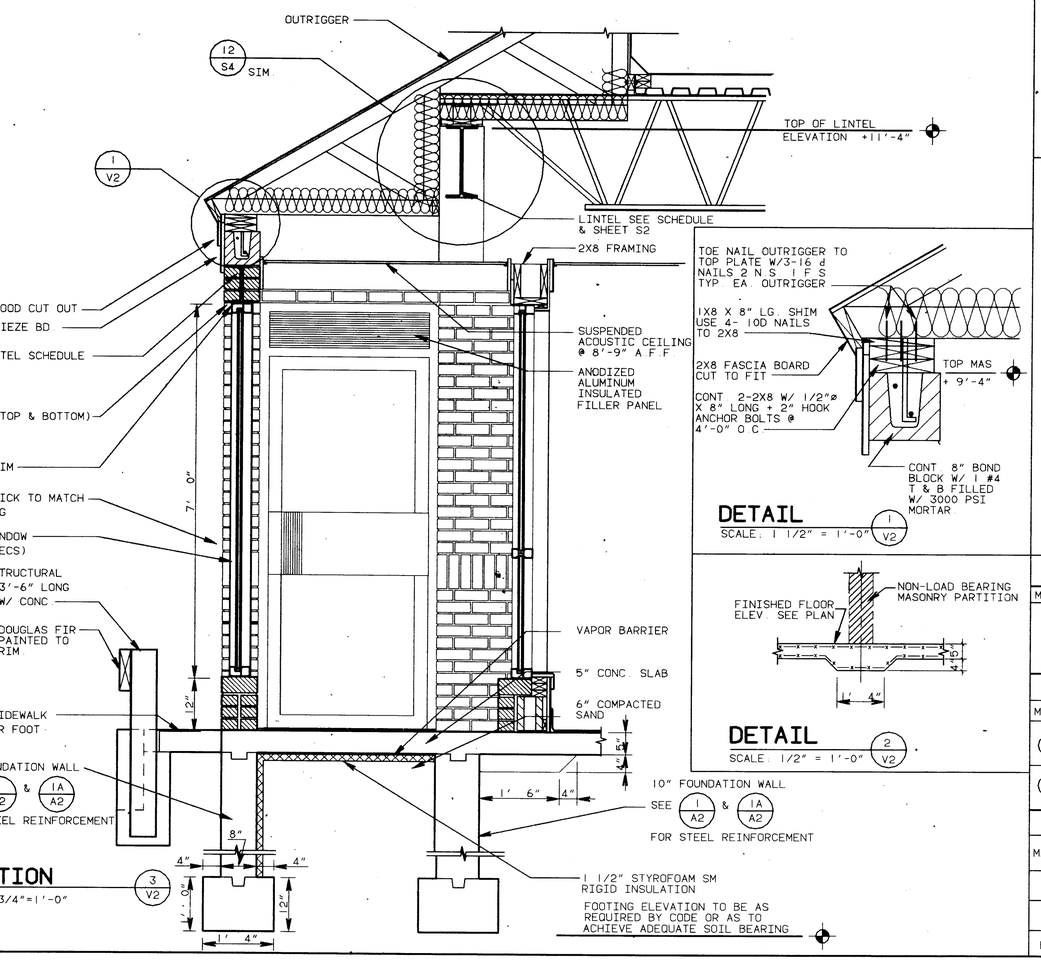
SHEET NO V01 COLONIAL

MCD184 (61PE849)



VESTIBULE PLAN

SCALE 3/4"=1'-0"



SECTION

SCALE 3/4"=1'-0" 3 V2

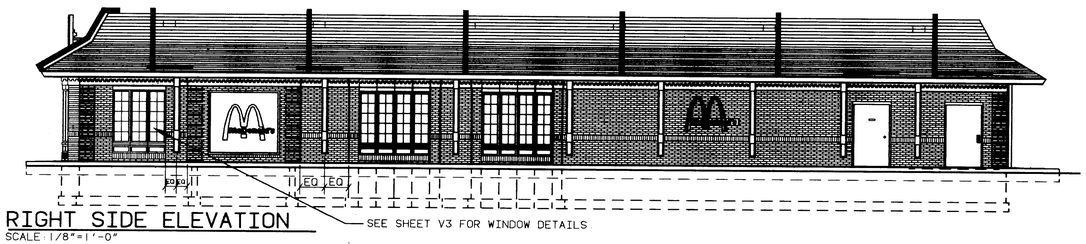
TOE NAIL OUTRIGGER TO TOP PLATE W/3-16 d NAILS 2 N.S. 1 F.S. TYP. EA. OUTRIGGER
1X8 X 8" LG. SHIM USE 4- 10D NAILS TO 2X8
2X8 FASCIA BOARD CUT TO FIT
CONT. 2-2X8 W/ 1/2"ø X 8" LONG + 2" HOOK ANCHOR BOLTS @ 4'-0" O.C.
TOP MAS + 9'-4"
CONT. 8" BOND BLOCK W/ 1 #4 T & B FILLED W/ 3000 PSI MORTAR

DETAIL

SCALE 1 1/2" = 1'-0" 1 V2

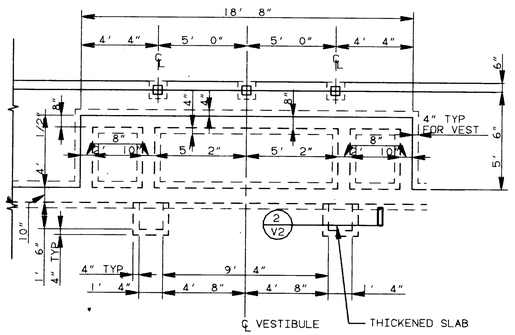
DETAIL

SCALE 1/2" = 1'-0" 2 V2



RIGHT SIDE ELEVATION

SCALE 1/8"=1'-0"

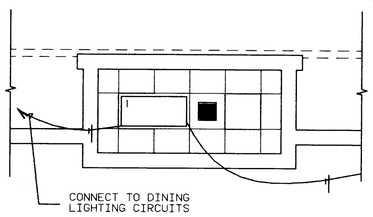


FOUNDATION PLAN

SCALE 1/4" = 1'-0"

FRONT ELEVATION

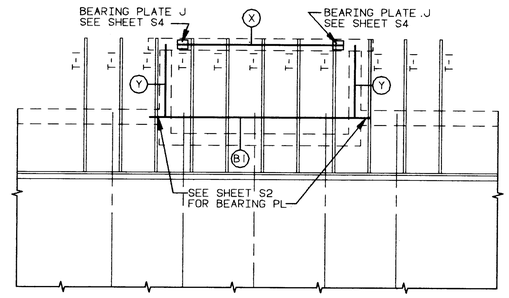
SCALE 1/4"= 1'-0"



LIGHTING PLAN

SCALE 1/4"= 1'-0"

NOTE SOFFIT LIGHT SPACING MUST BE ADJUSTED WHEN VESTIBULES ARE USED



LINTEL PLAN

SCALE 1/4"=1'-0"

LIGHT FIXTURE SCHEDULE

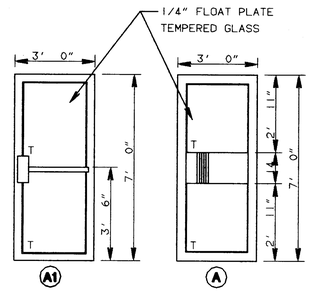
MARK	TYPE	DIFFUSER	LAMP		INSTALLATION			MFR. CAT. NO.
			WATTAGE	ORDER NO.	CL'G. TYPE	MOUNTING	LOCATION	
1	2 X 4 FLOURESCENT	PRISMATIC ACRYLIC OR PLASTIC GUARD	4-40	F40 CW/RS/WM F40 WW/RS/WM	SUSPENDED ACOUSTIC	LAY-IN	VESTIBULE CEILING	SEE SHEET E8

HARDWARE SCHEDULE

MARK	LEAF SIZE	TYPE	FRAME	HINGE	LATCH-CATCH	ACCESSORIES	
A	3'-0 X 7'-0 (SEE DOOR TYPE)	ALUMINUM/GLASS	ALUMINUM	PIVOT	MID-PANEL SELF-CLOSE PUSH-PULL	WEATHERSTRIP THRESHOLD	
A1	3'-0 X 7'-0 (SEE DOOR TYPE)	ALUMINUM/GLASS	ALUMINUM	PIVOT	SELF-CLOSE PUSH-PULL	WEATHERSTRIP THRESHOLD	

LINTEL SCHEDULE

MARK	SHAPE	20 PSF, 30 PSF, 40 PSF, 60 PSF, 90 PSF LIVE LOAD	QTY	LENGTH	ELEVATION	REMARKS
X	I	W8 X 15 & 1/4" X 7 1/2" PL	1	9'-0"	8'-0" TO BOTTOM OF PL	SEE DETAIL 2/S4
Y	⊥	(2) ∠ 3 1/2" X 3 1/2" X 5/16"	2	4'-1"	8'-0" TO BOTTOM OF ∠	SEE DETAIL 6/S4
B1	I	SEE LINTEL SCHEDULE SHEET S2	1	SEE SHEET S2	11'-4" TO TOP OF BEAM	SEE SHEET S2



DOOR TYPE

SCALE 3/8"=1'-0"

REV | DATE | DESCRIPTION | SCALE | UNITS OF MEASURE | BY | ISSUE REF

VIEW CONVENTION

MASTERED IN MICRODRAFT — REGISTERED ARCHITECT — No. 4499 — HANOVER, MASS. — MICRODRAFT

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

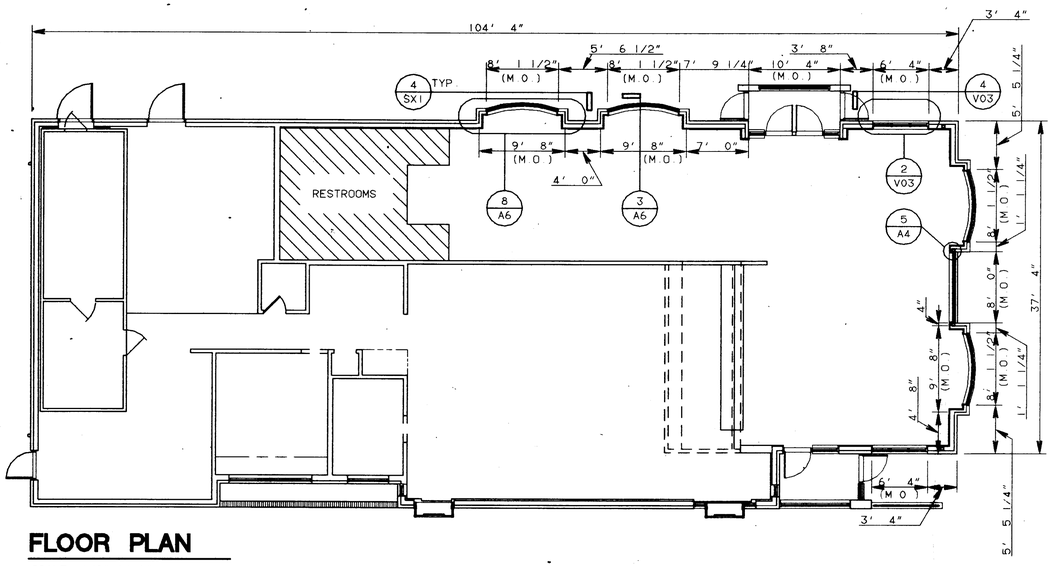
LOCAL ADDRESS

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE	37-104/89 COLONIAL
DRAWN BY	JMS
DATE DRAWN	01JUN89
DRAWING ID	9XMCO-3704
MATERIAL / DESCRIPTION	
CHECKED BY	MAR
APPROVED BY	GLB
ISSUE REF	—
DATE CHECKED	30AUG89
DATE APPROVED	30AUG89
DATE ISSUED	30AUG89

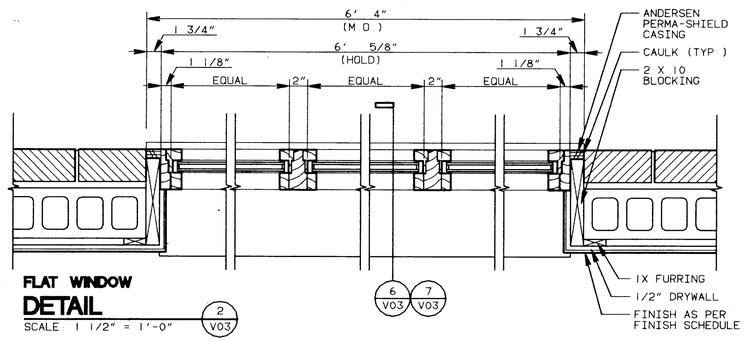
SHEET NO V02 COLONIAL

MCD104 (01FEB89)



FLOOR PLAN

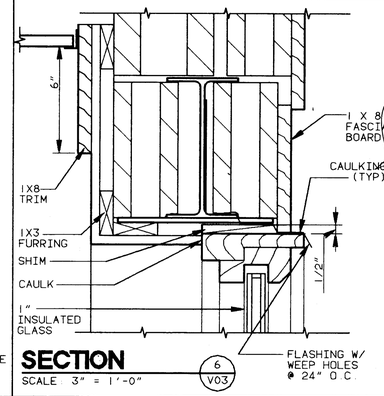
SCALE: 1/8"=1'-0"



FLAT WINDOW DETAIL

SCALE: 1 1/2" = 1'-0"

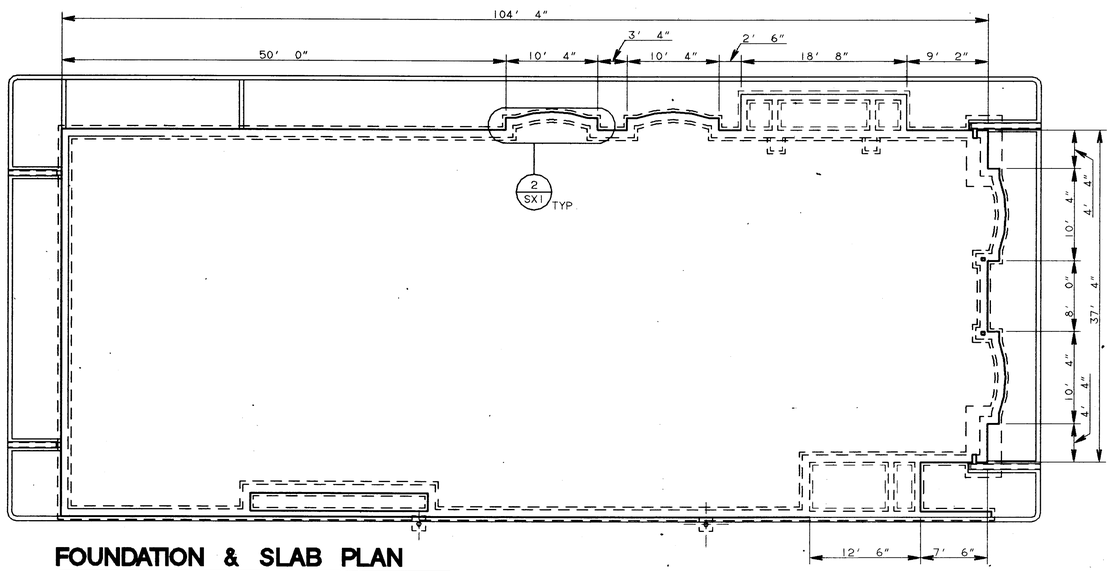
2 V03



SECTION

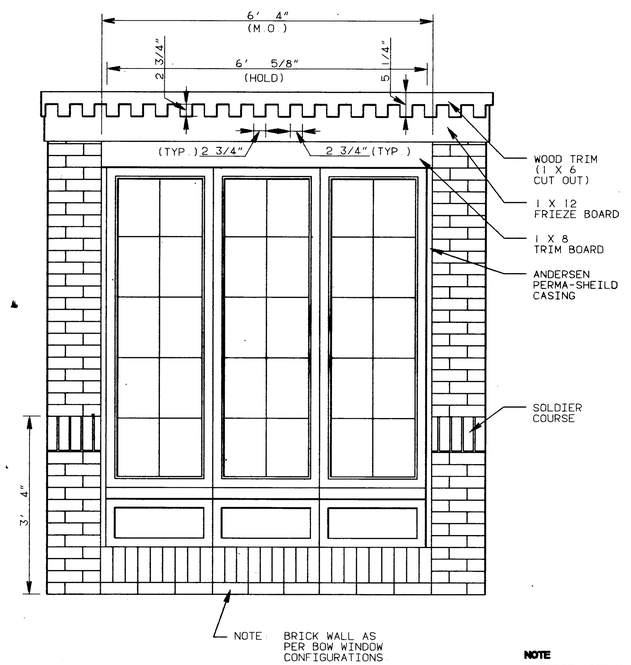
SCALE: 3" = 1'-0"

6 V03



FOUNDATION & SLAB PLAN

SCALE: 1/8"=1'-0"



FLAT WINDOW ELEVATION DETAIL

SCALE: 3/4"=1'-0"

4 V03

NOTE

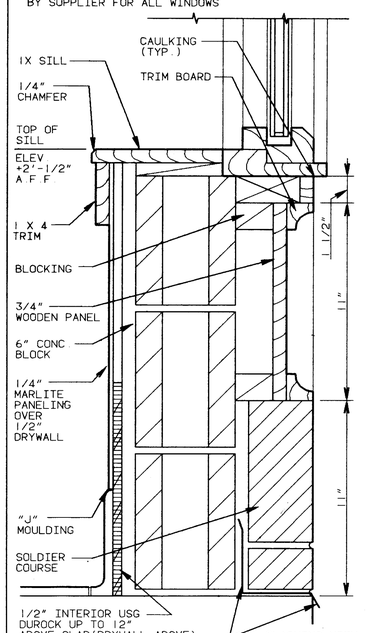
ANDERSEN PERMA-SHIELD CASEMENT BOW WINDOW
MODEL: C6-3-W

MUNTINS WILL BE FURNISHED BY SUPPLIER

NOTE

ANDERSEN PERMA-SHEILD CASEMENT WINDOW
MODEL: C6-3-W

MUNTINS WILL BE FURNISHED BY SUPPLIER FOR ALL WINDOWS



SECTION

SCALE: 3" = 1'-0"

7 V03

REV	DATE	DESCRIPTION	BY	ISSUE REF
		VIEW CONVENTION	SCALE	UNITS OF MEASURE INCH

REGISTERED ARCHITECT — No. 4496 — ANDOVER, MASS. — COMMONWEALTH OF MASSACHUSETTS

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE: 37-104/89 COLONIAL

DRAWN BY	MATERIAL / DESCRIPTION	CHECKED BY	DATE CHECKED
JMS		MAR	30AUG89
DATE DRAWN		APPROVED BY	DATE APPROVED
01JUN89		GLB	30AUG89
DRAWING ID		ISSUE REF	DATE ISSUED
9XMNE-3704		-	30AUG89

SHEET NO. V03 COLONIAL

MCD104 (01FEB89)

3/8"Ø BLUE STRIPED PNEUMATIC TUBING TO RUN ABOVE CEILING TO EXTERIOR SOFFITS FROM MODEL DPM-83 PANEL. CONNECT TO OUTSIDE AIR PRESSURE SENSORS MOUNTED IN BOTTOM OF SOFFIT. REFER TO SOFFIT LIGHTING PLAN (SHEET E3) FOR EXACT LOCATION OF AIR PRESSURE SENSOR

3/8"Ø WHITE STRIPED PNEUMATIC TUBING RUN ABOVE CEILING FROM MODEL DPM-83 PANEL AND CONNECT TO INSIDE AIR PRESSURE SENSOR PRESSURE SENSOR TO BE LOCATED IN CENTER OF CEILING TILE AS SHOWN. (SEE SHEET M-5 FOR PROPER INSTALLATION OF AIR PRESSURE SENSOR.)

HONEYWELL SENSOR FOR D-2 UNIT TO THERMOSTAT IN MANAGER'S OFFICE WITH INSULATED BACK (5'-8" ABOVE FINISHED FLOOR) SEE DETAIL ON SHEET M-5

SEE RESTROOM LAYOUT ON SHEET M-3

TO E4 EXHAUST FAN

K-2
5 TON

K-1
13 TON
AAON
12 1/2 TON
YORK

D-2
8 TON AAON
7 1/2 TON
YORK

D-1
8 TON AAON
7 1/2 TON
YORK

REFER TO SHEET M-2 FOR DIFFUSER AND GRILLE SCHEDULE

NOTE
T-BARS TO BE LOCATED DIRECTLY BELOW JOISTS

HONEYWELL SENSOR FOR D-1 UNIT TO THERMOSTAT IN MANAGER'S OFFICE WITH INSULATED BACK (5'-8" ABOVE FINISHED FLOOR) SEE DETAIL ON SHEET M-5

SODA SYSTEM

HONEYWELL SENSOR FOR K-2 UNIT TO THERMOSTAT IN MANAGER'S OFFICE WITH INSULATED BACK (5'-8" ABOVE FINISHED FLOOR) SEE DETAIL ON SHEET M-5

AIR CYCLE AUTO AIR BALANCE CONTROL PANEL & HONEYWELL THERMOSTATS (SEE SHEET A-11 FOR EXACT LOCATION OF CONTROL PANEL AND THERMOSTATS)

HONEYWELL SENSOR FOR UNIT K-1 TO THERMOSTAT IN MANAGER'S OFFICE W/INSULATED BACK (5'-8" ABOVE FINISHED FLOOR) SEE DETAIL ON SHEET M-5

THERMOSTAT (FURNISHED WITH HEATER) (5'-8" ABOVE FINISHED FLOOR)

THERMOSTAT (FURNISHED WITH HEATER) (5'-8" ABOVE FINISHED FLOOR)

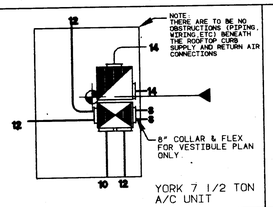
3/8"Ø BLUE STRIPED PNEUMATIC TUBING TO RUN ABOVE CEILING TO EXTERIOR SOFFITS FROM MODEL DPM-83 PANEL. CONNECT TO OUTSIDE AIR PRESSURE SENSORS MOUNTED IN BOTTOM OF SOFFIT. REFER TO SOFFIT LIGHTING PLAN (SHEET E3) FOR EXACT LOCATION OF AIR PRESSURE SENSOR

TITUS DIFFUSER & GRILLE SCHEDULE

SYMBOL	MODEL NO.	BOOT NECK	CEILING TYPE	CEILING OPENING REQUIRED	QUANTITY
K	MC-ML-39	8"	T-BAR	48" X 4 3/4"	4 ACTIVE

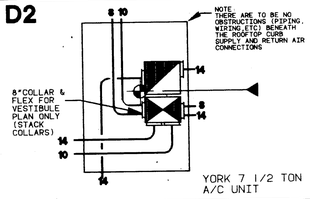
YORK

D1


NOTE
THERE ARE TO BE NO OBSTRUCTIONS (PIPING, WIRING, ETC) BENEATH THE ROOFTOP CURB SUPPLY AND RETURN AIR CONNECTIONS
8" COLLAR & FLEX FOR VESTIBULE PLAN ONLY

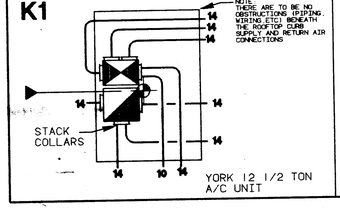
YORK 7 1/2 TON A/C UNIT

D2


NOTE
THERE ARE TO BE NO OBSTRUCTIONS (PIPING, WIRING, ETC) BENEATH THE ROOFTOP CURB SUPPLY AND RETURN AIR CONNECTIONS
8" COLLAR & FLEX FOR VESTIBULE PLAN ONLY (STACK COLLARS)

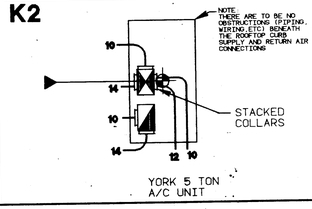
YORK 7 1/2 TON A/C UNIT

K1


NOTE
THERE ARE TO BE NO OBSTRUCTIONS (PIPING, WIRING, ETC) BENEATH THE ROOFTOP CURB SUPPLY AND RETURN AIR CONNECTIONS
STACK COLLARS

YORK 12 1/2 TON A/C UNIT

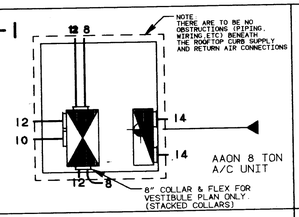
K2


NOTE
THERE ARE TO BE NO OBSTRUCTIONS (PIPING, WIRING, ETC) BENEATH THE ROOFTOP CURB SUPPLY AND RETURN AIR CONNECTIONS
STACKED COLLARS

YORK 5 TON A/C UNIT

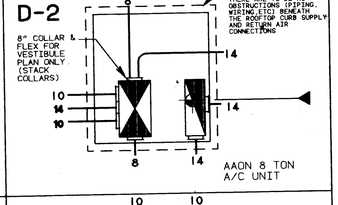
AAON

D-1


NOTE
THERE ARE TO BE NO OBSTRUCTIONS (PIPING, WIRING, ETC) BENEATH THE ROOFTOP CURB SUPPLY AND RETURN AIR CONNECTIONS
8" COLLAR & FLEX FOR VESTIBLE PLAN ONLY. (STACKED COLLARS)

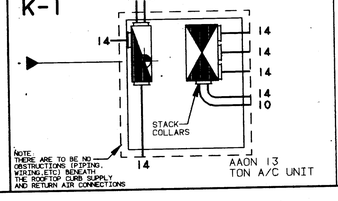
AAON 8 TON A/C UNIT

D-2


NOTE
THERE ARE TO BE NO OBSTRUCTIONS (PIPING, WIRING, ETC) BENEATH THE ROOFTOP CURB SUPPLY AND RETURN AIR CONNECTIONS
8" COLLAR & FLEX FOR VESTIBULE PLAN ONLY. (STACK COLLARS)

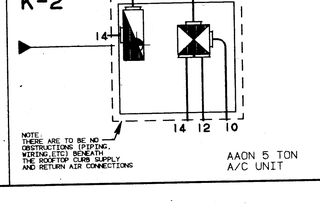
AAON 8 TON A/C UNIT

K-1


NOTE
THERE ARE TO BE NO OBSTRUCTIONS (PIPING, WIRING, ETC) BENEATH THE ROOFTOP CURB SUPPLY AND RETURN AIR CONNECTIONS
STACK COLLARS

AAON 13 TON A/C UNIT

K-2



AAON 5 TON A/C UNIT

HVAC PACKAGE AVAILABLE FROM

AIR DISTRIBUTION ASSOC., INC
955 LIVELY BLVD.
WOOD DALE, ILLINOIS 60191
PHONE (312) 860-6800
ALL REGIONS EXCEPT THOSE NOTED AS SERVED BY HOFFMANN, PREMIUM AIR, NATIONAL AIR & STEPHENSON)

NATIONAL AIR SYSTEMS, INC.
1842 FLOWER ST.
GLENDALE, CALIFORNIA 91201
PHONE (213) 245-6611
(LOS ANGELES, SAN DIEGO, PHOENIX SAN JOSE, SEATTLE, AND DENVER)

STEPHENSON ASSOCIATES
540 KENTUCKY ST.
SCOTTDALE, GEORGIA 30079
PHONE (404) 294-1722
(ATLANTA, GREENVILLE, RALEIGH, NORFOLK, TAMPA, AND FT. LAUDERDALE)

E. W. HOFFMANN, INC.
635 OLD WILLETS PATH
HAUPPAUGE, NEW YORK 11788
PHONE (516) 234-4448
(BLOOMFIELD, HARTFORD, BOSTON, AND NEW YORK)

PREMIUM AIR SYSTEMS
1051 NAUGHTON
TROY, MICHIGAN 48083
(313) 680-8800
(DETROIT, MINNEAPOLIS, AND CLEVELAND)

1. INSIDE AIR PRESSURE SENSOR TO BE A MINIMUM OF 4'-0" AWAY FROM SUPPLY DIFFUSERS, RETURN AIR GRILLES AND EDGE OF CEILING FAN BLADES (IF PRESENT).
2. AIR PRESSURE SENSOR AND PNEUMATIC TUBING TO BE INSTALLED BY THE ELECTRICAL CONTRACTOR.
3. INSTALLING CONTRACTOR TO INSTALL NYLON WEB OR METAL STRAP HANGERS WHERE FLEXIBLE DUCTWORK PASSES THROUGH JOIST OR TRUSS. SEE DETAIL ON SHEET M-5.
4. ALL SENSOR TUBING SHALL BE RUN TO UNDERSIDE OF ROOF DECK TO ELIMINATE CONFLICTS WITH OTHER TRADES. ALL TUBING MUST BE RUN IN A STRAIGHT LINE WITH LONG RADIUS BANDS. IRREGULAR BENDS OR CRIMPS IN THE TUBING WILL AFFECT THE PROPER OPERATION OF THE AUTOMATIC AIR BALANCE SYSTEM.
5. ELECTRICAL CONTRACTOR TO COMPLETELY STUFF J-BOXES FOR WALL MOUNTED TEMPERATURE SENSORS WITH SCRAP PIECES OF FIBERGLASS INSULATION. ALL TEMPERATURE SENSORS MUST BE MOUNTED ON THE WOOD BASE WHICH HAS BEEN PROVIDED IN THE HVAC PACKAGE. SEE SHEET M-5 FOR SENSOR MOUNTING DETAILS.
6. THE HVAC PACKAGE INCLUDES THE FOLLOWING:
   - A 4- AIR CONDITIONING UNITS WITH 18 GAUGE STEEL CURBS, 12" HIGH
   - B 5- EXHAUST FAN STEEL CURBS, ALL 12" HIGH
   - C AUTOMATIC AIR BALANCE SYSTEM PANEL, HONEYWELL WALL THERMOSTATS, SENSORS, WHITE AND BLUE STRIPED PNEUMATIC TUBING AND ALL LOW VOLTAGE CONTROL CABLE AS SHOWN ON SHEET E6
   - D 2- MARKEL CEILING HEATERS (FURNISHED BY MCDONALD'S)
   - E AIR CONDITIONING DUCTWORK (FLEXIBLE DUCTWORK AND SHEET METAL PLENUMS)
   - F ALL ACCESSORIES AS NOTED, DRAWBANDS, STARTING COLLARS, NYLON WEB HINGERS, ETC
   - G DIFFUSERS & GRILLES AS SHOWN
7. THE GENERAL CONTRACTOR IS TO PROVIDE THE FOLLOWING:
   - A ROOF OPENINGS AS INDICATED
   - B SET LEVEL & SECURE A/C AND EXHAUST FAN STEEL CURBS
   - C DOOR GRILLES
   - D FRAME IN DIFFUSERS WHERE REQUIRED
8. ELECTRICAL CONTRACTOR SHALL INSTALL AUTOMATIC AIR BALANCE SYSTEM PANEL. INSTALL ALL LOW VOLTAGE WIRING, AND FURNISH & INSTALL ALL LINE VOLTAGE WIRING, INCLUDING FINAL CONNECTIONS AND INSTALL ALL PROGRAMMABLE STATS & REMOTE TEMPERATURE SENSORS.
9. WHEN WIRING FOR PROGRAMMABLE THERMOSTATS AND REMOTE SENSORS IS NOT IN A CONDUIT, THE WIRING SHALL BE RUN TO THE UNDERSIDE OF THE ROOF DECK. NONE OF THE WIRING SHOULD BE ROUTED OVER FLORESCENT BALLAST, POWER BOXES OR IN A CONDUIT WITH LINE VOLTAGE WIRING AS ELECTRICAL INTERFERENCE (NOISE) WILL CAUSE ERRATIC CONTROL OPERATION.
10. PLUMBING CONTRACTOR SHALL INSTALL CONDENSATE DRAIN AND FURNISH & INSTALL ALL GAS PIPING INCLUDING FINAL CONNECTIONS. GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE & BANDED MALLEABLE IRON FITTINGS.
11. DO NOT PRESSURE CHECK GAS LINES WHEN HOOKED UP TO UNITS (EXCESSIVE PRESSURE WILL DAMAGE GAS VALVES).

REV. | DATE | DESCRIPTION | BY | ISSUE REF
VIEW CONVENTION | SCALE | UNITS OF MEASURE | INCH

REGISTERED ARCHITECT No. 14496 ANDREW KOMOS STATE OF ILLINOIS

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE 37-104/89 COLONIAL

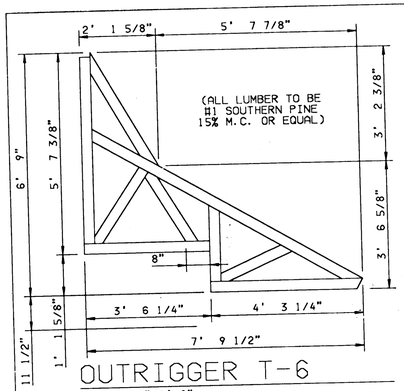
DRAWN BY JWS | DATE 01 JUN89 | MATERIAL / DESCRIPTION | CHECKED BY MAR | DATE CHECKED 30AUG89 | APPROVED BY AJS | DATE APPROVED 30AUG89 | ISSUE REF — | DATE ISSUED 30AUG89

DRAWING ID 9XMCO-3704

SHEET NO. M01

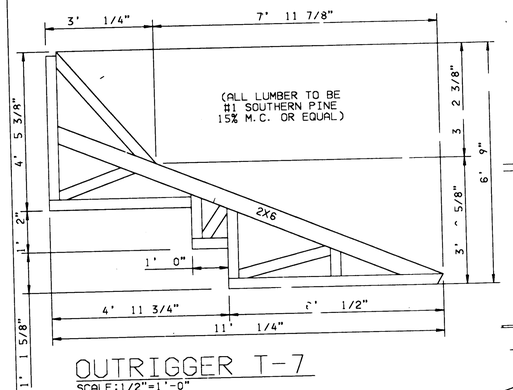
STANDARD TEMP
COLONIAL

M01XX (01FEB89)



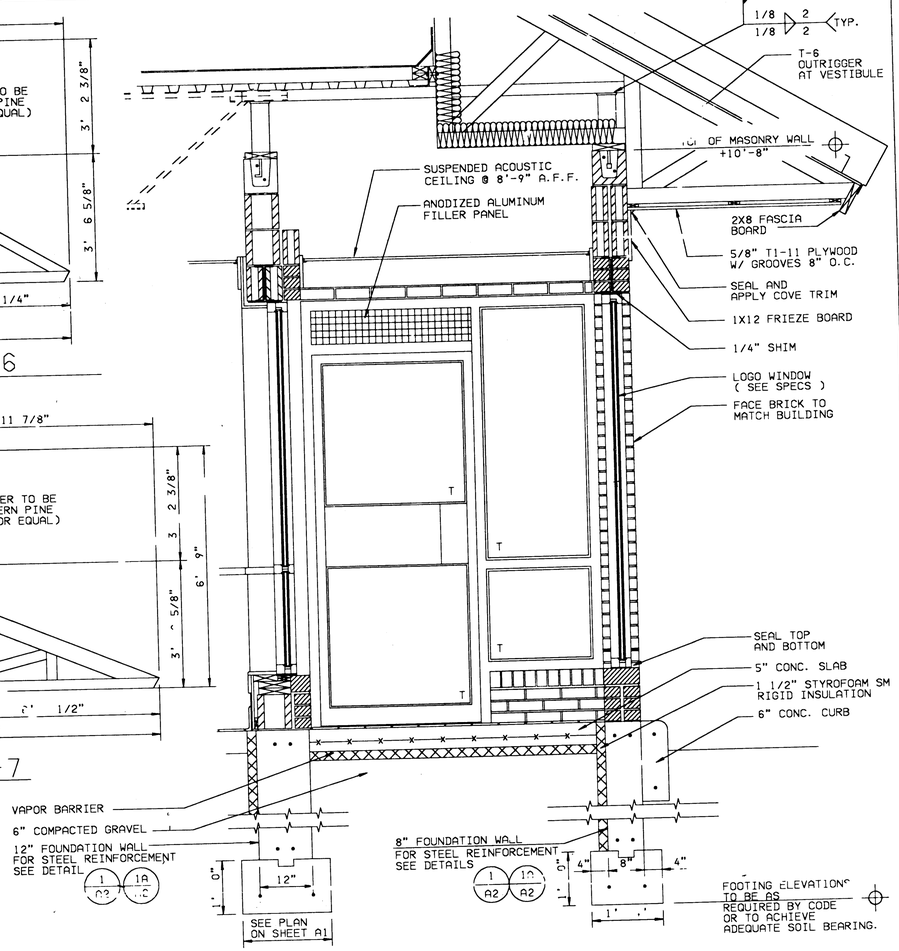
OUTRIGGER T-6

SCALE:1/2"=1'-0"



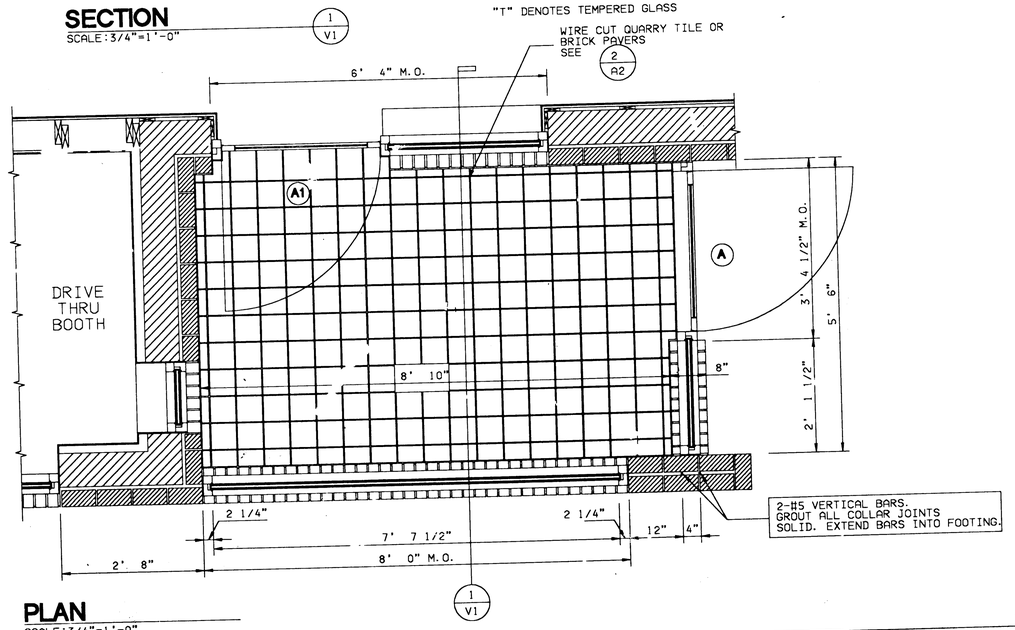
OUTRIGGER T-7

SCALE:1/2"=1'-0"



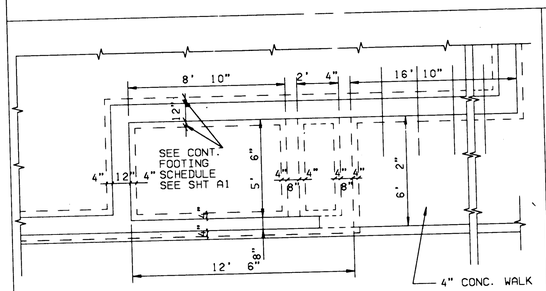
SECTION

SCALE:3/4"=1'-0"



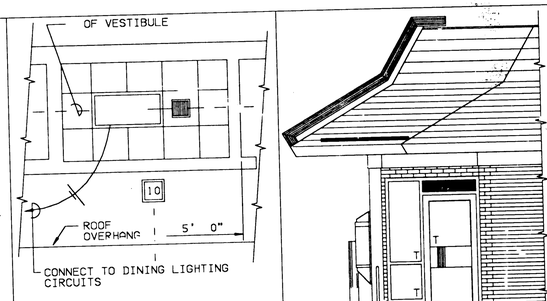
PLAN

SCALE:3/4"=1'-0"



FOUNDATION PLAN

SCALE:1/4"=1'-0"



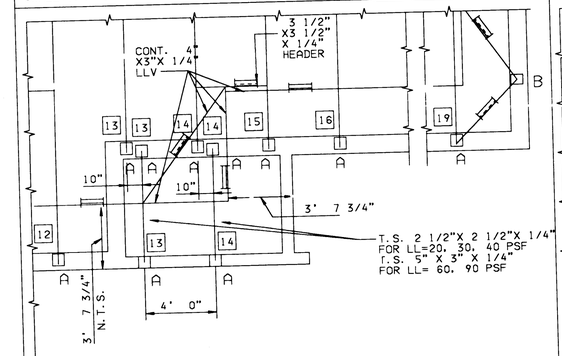
NOTE: SOFFIT LIGHT SPACING MUST BE ADJUSTED WHEN VESTIBULES ARE USED.

LIGHTING PLAN

SCALE:1/4"=1'-0"

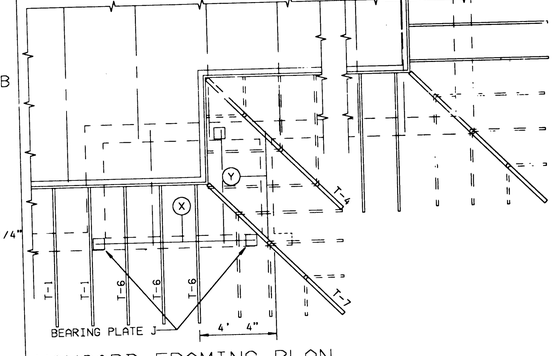
FRONT ELEVATION

SCALE:1/4"=1'-0"



STEEL FRAMING PLAN

SCALE:1/4"=1'-0"



MANSARD FRAMING PLAN

SCALE:1/4"=1'-0"

LIGHT FIXTURE SCHEDULE

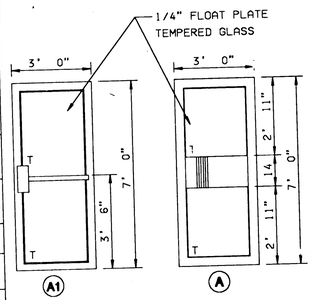
MARK	TYPE	DIFFUSER	LAMP		INSTALLATION			MFR. CAT. NO.
			WATTAGE	ORDER NO.	CL'G TYPE	MOUNTING	LOCATION	
1	2X4 FLOURESCENT	PRISMATIC ACRYLIC OR PLASTIC GUARD	4-40	F40 CW/RS/WM F40 WW/RS/WM	SUSPENDED ACOUSTIC	LAY-IN	VESTIBULE CEILING	SEE SHEET E8

HARDWARE SCHEDULE

MARK	LEAF SIZE	TYPE	FRAME	HINGE	LATCH-SET	ACCESSORIES
A	3'-0 X 7'-0 (SEE DOOR TYPE)	ALUMINUM/GLASS	ALUMINUM	PIVOT	MID-PANEL SELF-CLOSE PUSH-PULL	WEATHERSTRIP THRESHOLD
A1	3'-0 X 7'-0 (SEE DOOR TYPE)	ALUMINUM/GLASS	ALUMINUM	PIVOT	SELF-CLOSE PUSH-PULL	WEATHERSTRIP THRESHOLD

LINTEL SCHEDULE

MARK	SHP	20 PSF, 30 PSF, 40 PSF, 60 PSF, 90 PSF LIVE LOAD	QTY	LENGTH	ELEVATION	REMARKS
X	I	W8 X 15 & 1/4" X 7 1/2" PL	1	9'-0"	8'-0" TO BOTTOM OF PL	SEE DETAIL 1/S2
Y	⊥	(2) 5" X 3 1/2" X 5/16" LLV	1	6'-2"	8'-0" TO BOTTOM OF	SEE DETAIL 2/S2



DOOR TYPE

SCALE:3/8"=1'-0"

REV	DATE	DESCRIPTION	BY	ISSUE REF
1	01FEB90	CODE UPDATE & STRUCTURAL CHANGES	JJC	—

VIEW CONVENTION — SCALE — UNITS OF MEASURE: INCH

REGISTERED ARCHITECT No. 4456 APPROVED MASS. COMMONWEALTH OF MASSACHUSETTS

McDONALD'S®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

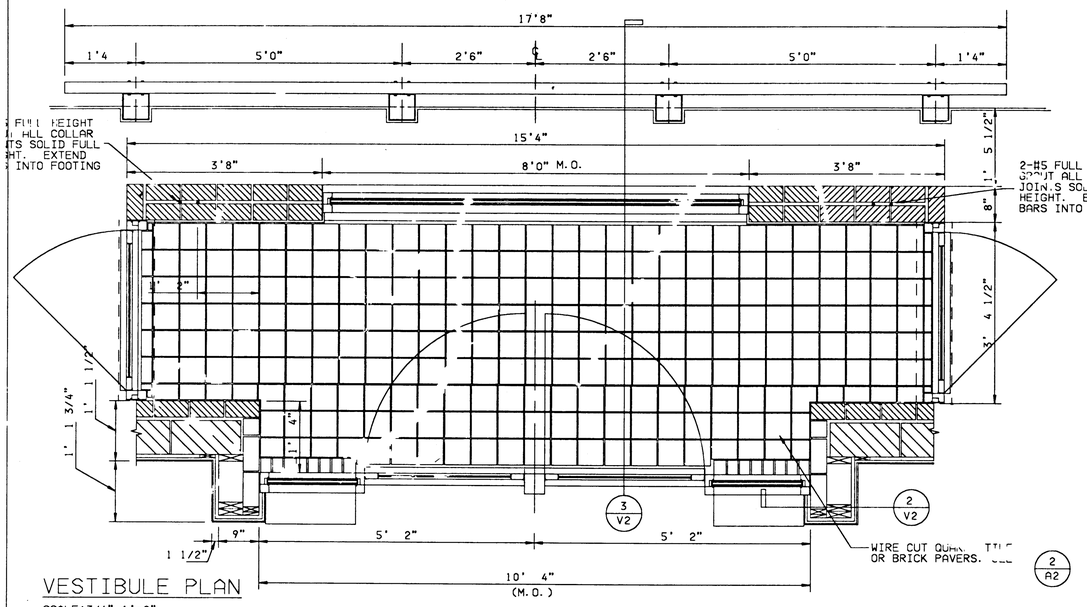
LOCAL ADDRESS

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

DATE CHECKED: 30AUG89
DATE APPROVED: 30AUG89
DATE ISSUED: 01SEP89
CHECKED BY: MAR
APPROVED BY: [illegible]
ISSUE REF

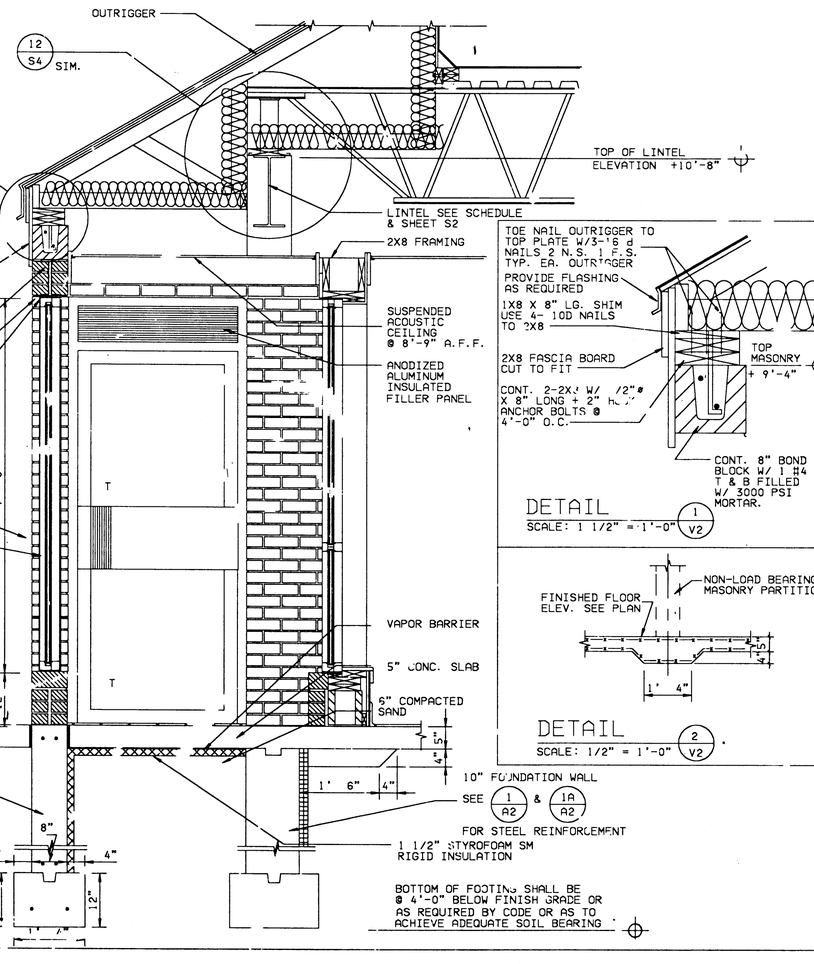
TITLE: 37-84/89 BASEMENT
MATERIAL / DESCRIPTION
DRAWN BY: JMS
"SITE 24mm" 01AUG89
DRAWN ID: 9BM - 3784BS

SHEET NO: V01



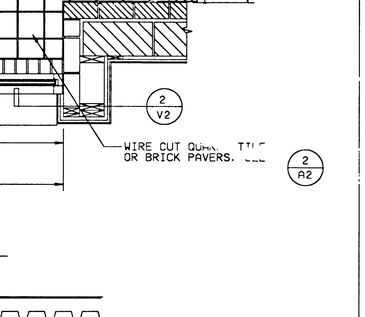
VESTIBULE PLAN

SCALE: 3/4"=1'-0"



SECTION

SCALE: 3/4"=1'-0"

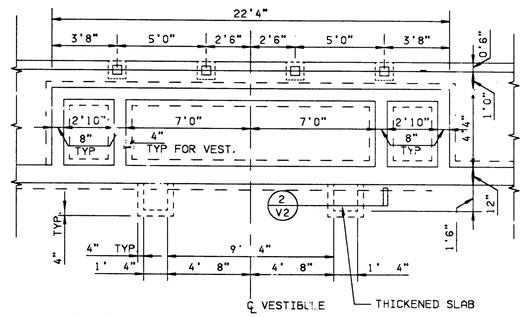

TOE NAIL OUTRIGGER TO TOP PLATE W/3-16 d NAILS 2 N.S. 1 F.S. TYP. EA. OUTRIGGER
PROVIDE FLASHING AS REQUIRED
1X8 X 8" LG. SHIM USE 4- 10D NAILS TO 2X8
2X8 FASCIA BOARD CUT TO FIT
CONT. 2-2X2 W/ 1/2"ø X 8" LONG + 2" HOOK ANCHOR BOLTS @ 4'-0" O.C.
TOP MASONRY + 9'-4"
CONT. 8" BOND BLOCK W/ 1 #4 T & B FILLED W/ 3000 PSI MORTAR.

DETAIL 1 V2

SCALE: 1 1/2" = 1'-0"

DETAIL 2 V2

SCALE: 1/2" = 1'-0"

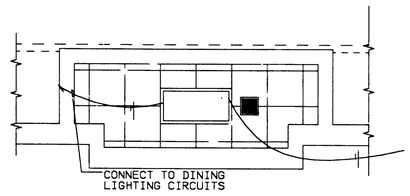


FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

FRONT ELEVATION

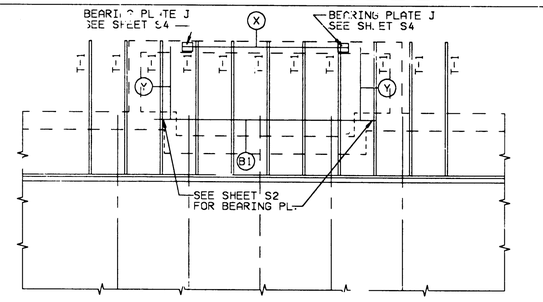
SCALE: 1/4"= 1'-0"



LIGHTING PLAN

SCALE: 1/4"= 1'-0"

NOTE SOFFIT LIGHT SPACING MUST BE ADJUSTED WHEN VESTIBULES ARE USED



LINTEL PLAN

SCALE: 1/4"=1'-0"

LIGHT FIXTURE SCHEDULE

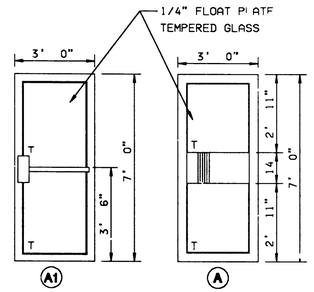
MARK	TYPE	DIFFUSER	LAMP		INSTALLATION			MFR. CAT. NO.
			WATTAGE	ORDER NO.	CL'G. TYPE	MOUNTING	LOCATION	
1	2 X 4 FLOURESCENT	PRISMATIC ACRYLIC OR PLASTIC GUARD	4-40	F40 CW/RS/WM F40 WW/RS/WM	SUSPENDED ACOUSTIC	LAY-IN	VESTIBULE CEILING	SEE SHEET E8

HARDWARE SCHEDULE

MARK	LEAF SIZE	TYPE	FRAME	HINGE	LATCH-CATCH	ACCESSORIES	
A	3'-0 X 7'-0 (SEE DOOR TYPE)	ALUMINUM/GLASS	ALUMINUM	PIVOT	MID-PANEL SELF-CLOSE PUSH-PULL	WEATHERSTRIP THRESHOLD	
A1	3'-0 X 7'-0 (SEE DOOR TYPE)	ALUMINUM GLASS	ALUMINUM	PIVOT	SELF-CLOSE PUSH-PULL	WEATHERSTRIP THRESHOLD	

LINTEL SCHEDULE

MARK	SHAPE	20 PSF, 30 PSF, 40 PSF, 60 P.F, 90 PSF LIVE LOAD	QTY	LENGTH	ELEVATION	REMARKS
X	I	W8 X 15 & 1/4" X 7 1/2" PL	1	9'-0"	8'-0" TO BOTTOM OF PL	SEE DETAIL 2/S4
Y	⊥	(2) 3 1/2" X 3 1/2" X 5/16"	2	4'-1"	8'-0" TO BOTTOM OF	SEE DETAIL 6/S4
	T	SEE LINTEL SCHEDULE & SHEET S2	1	SEE SHEET	10'-8" TO	SEE SHEET S2



DOOR TYPE

SCALE: 3/8"= 1'-0"

REV	DATE	DESCRIPTION	BY	ISSUE REF
1	01FEB89	CODE UPDATE & STRUCTURAL CHANGES	JJC	—

SCALE

VIEW CONVENTION

UNITS OF MEASURE

INCH

REGISTERED ARCHITECT COMMONWEALTH OF MASSACHUSETTS NO. 4496 JOHN F. KANE

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF McDONALD'S CORPORATION.

LOCAL ADDRESS

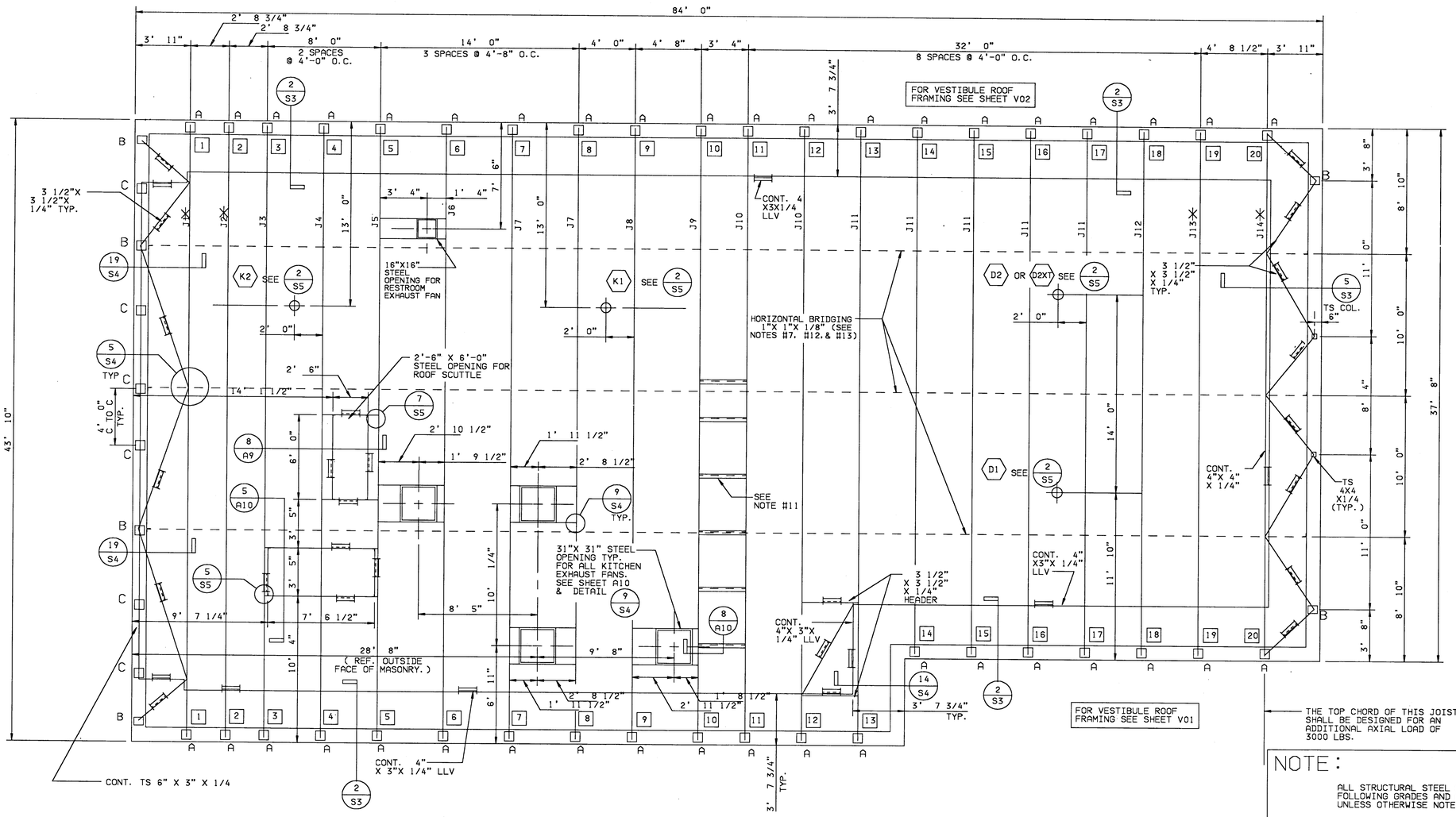
TITLE	37-84/89 BASEMENT
DRAWN BY	RLF
DATE DRAWN	XX/XX/XX
DRAWING ID	9BM -3784BS
CHECKED BY	MAR
APPROVED BY	XX/XX/XX
ISSUE REF	—/—
DATE CHECKED	30AUG89
DATE APPROVED	XX/XX/XX
DATE ISSUED	01SEP89

MATERIAL / DESCRIPTION

McDONALD'S CORPORATION
OAK BROOK, ILLINOIS 60521

SHEET NO. V02

MCD104 (01FEB89)


84' 0"
2' 8 3/4"
2' 8 3/4"
3' 11"
8' 0"
2 SPACES @ 4'-0" O.C.
14' 0"
3 SPACES @ 4'-8" O.C.
4' 0"
4' 8"
3' 4"
32' 0"
8 SPACES @ 4'-0" O.C.
4' 8 1/2"
3' 11"
3' 7 3/4"
FOR VESTIBULE ROOF FRAMING SEE SHEET V02
43' 10"
37' 8"
3 1/2"X 3 1/2"X 1/4" TYP.
CONT. 4 X3X1/4 LLV
16"X16" STEEL OPENING FOR RESTROOM EXHAUST FAN
K1 SEE 2 S5
K2 SEE 2 S5
D1 SEE 2 S5
D2 OR D2X1 SEE 2 S5
2' 0"
HORIZONTAL BRIDGING 1"X 1"X 1/8" (SEE NOTES #7, #12, & #13)
2'-6" X 6'-0" STEEL OPENING FOR ROOF SCUTTLE
2' 6"
T4 1/2"
4' 0" C TO C TYP.
2' 10 1/2"
1' 9 1/2"
1' 11 1/2"
2' 8 1/2"
SEE NOTE #11
31"X 31" STEEL OPENING TYP. FOR ALL KITCHEN EXHAUST FANS. SEE SHEET A10 & DETAIL 9 S4
3 1/2" X 3 1/2" X 1/4" HEADER
3 1/2" X 3 1/2" X 1/4" TYP.
TS COL. 6"
CONT. 4" X 4" X 1/4"
TS 4X4 X1/4 (TYP.)
CONT. 4" X3"X 1/4" LLV
CONT. 4" X 3"X 3" X 1/4" LLV
9' 7 1/4"
7' 6 1/2"
28' 8" (REF. OUTSIDE FACE OF MASONRY.)
9' 8"
8' 5"
CONT. TS 6" X 3" X 1/4
CONT. 4" X 3"X 1/4" LLV
3' 7 3/4" TYP.
FOR VESTIBULE ROOF FRAMING SEE SHEET V01
THE TOP CHORD OF THIS JOIST SHALL BE DESIGNED FOR AN ADDITIONAL AXIAL LOAD OF 3000 LBS.

STEEL ROOF FRAMING PLAN

SCALE: 1/4"=1'-0"

NOTE :

ALL STRUCTURAL STEEL SHALL HAVE THE FOLLOWING GRADES AND ASTM NUMBERS UNLESS OTHERWISE NOTED:

A.	BEAMS & PLATES	A 36
B.	TUBES	A 500 GRADE B
C.	BEAM CONNECTIONS	A 325
D.	ANCHOR BOLTS	A 307

SYMBOLS AND ABBREVIATIONS

5	JOIST SEAT REFERENCE
(B)	LINTEL REFERENCE
	STEEL ANGLE
LLV	LONG LEG VERTICAL
LLH	LONG LEG HORIZONTAL
T.C.	TOP CHORD
P.C.	BOTTOM CHORD
PL.	STEEL PLATE
□A	BEARING PLATE REF.
T.S.	STEEL TUBE
C/C	CENTER TO CENTER
R/O	ROUGH OPENING
HLS	HEX LAG SCREW
HWH	HEX WASHER HEAD
OPH	OPPOSITE HAND
⊓	SQUARE, FLUSH
J1	JOIST DESIGNATION

NOTES

1. LIVE LOAD = SEE SCHEDULE
2. DEAD LOAD = 20 PSF
3. NA
4. HORIZONTAL WIND = UP TO 26 PSF
5. NA
6. ALL R/O FRAMES 4"X 4"X 1/4"
7. — — — — DENOTES 1"X 1"X 1/8" HORIZONTAL BRIDGING.
8. TOP OF SLAB ELEV. = +0'- 0"
9. TOP OF MASONRY WALL ELEV. = +10'-8"
10. SEE SHEET A10 FOR ADDITIONAL STEEL FRAMING REQUIRED FOR BLACK IRON DUCT FIRE ENCLOSURES.
11. SEE SHEET A7 FOR ADDITIONAL STEEL FRAMING REQUIRED FOR VALANCE LIGHTING & MENU BOARD VALANCE SUPPORT. (14 A7) (15 A7)
12. IF HORIZONTAL BRIDGING CONFLICTS W/ HVAC UNIT. RELOCATE BRIDGING IN THOSE JOIST BAYS AFFECTED AND OVERLAP ONE BAY EACH SIDE.
13. FOR LIVE LOAD = 60 PSF & 90 PSF, CENTER ROW OF BRIDGING TO BE 1"X1"X1/8" BOLTED DIAGONAL BRIDGING.
14. JOIST END @ BUILDING PERIMETER SHALL BE DESIGNED TO TRANSFER AN ADDITIONAL HORIZONTAL FORCE OF 1000 LBS. APPLIED @ THE TOP OF THE TOP CHORD PARALLEL OR PERPENDICULAR TO THE JOIST SPAN, TO ITS SUPPORTING MEMBER UNLESS NOTED OTHERWISE

JOIST SCHEDULE

MARK	60 PSF LIVE LOAD	90 PSF LIVE LOAD
J1	28LH06	28LH07
J2	28LH05	28LH06
J3	28LH06	28LH08
J4	28LH08	28LH09
J5	28LH07	28LH09
J6	28LH09	28LH10
J7	28LH09	28LH10
J8	28LH07	28LH09
J9	28LH07	28LH09
J10	28LH07	28LH09
J11	28LH06	28LH08
J12	28LH06	28LH08
J13	28LH06	28LH08
J14	28LH07	28LH08

SEE JOIST WEB LOAD DIAGRAM FOR JOIST DESIGN.
NO MECHANICAL UNITS MAY BE PLACED ON JOISTS INDICATED WITH AN *

JOIST SEAT SCHEDULE

(FOR 60 & 90 PSF LIVE LOADS ONLY)

MARK	HEIGHT	REMARKS	MARK	HEIGHT	REMARKS
1	2"	PLATE	17	11 1/2"	PL & TUBE
2	2 3/4"	PL & TUBE	18	12"	PL & TUBE
3	3 1/2"	PL & TUBE	19	12 1/2"	PL & TUBE
4	4 1/4"	PL & TUBE	20	13"	PL & TUBE
5	5"	PL & TUBE			
6	5 3/4"	PL & TUBE			
7	6 1/2"	PL & TUBE			
8	7"	PL & TUBE			
9	7 1/2"	PL & TUBE			
10	8"	PL & TUBE			
11	8 1/2"	PL & TUBE			
12	9"	PL & TUBE			
13	9 1/2"	PL & TUBE			
14	10"	PL & TUBE			
15	10 1/2"	PL & TUBE			
16	11"	PL & TUBE			

NOTE: JOIST SEATS TO BE CONSTRUCTED OF T.S. 4"X 4"X 3/8"W/4 1/2"X 6 1/2" X 3/8" PLATE. SEE SHT. S3, BEARING PLATE A.

JOIST SCHEDULE

MARK	20 PSF LIVE LOAD	30 PSF LIVE LOAD	40 PSF LIVE LOAD
J1	28K6	28K9	28K12
J2	28K6	28K6	28K8
J3	28K7	28K10	28K12
J4	28K9	28K10	28K12
J5	28K9	28K10	28K12
J6	28K10	28K12	28K12
J7	28K10	28K12	28K12
J8	28K9	28K10	28K12
J9	28K9	28K10	28K12
J10	28K9	28K10	28K12
J11	28K7	28K9	28K10
J12	28K7	28K9	28K10
J13	28K6	28K7	28K9
J14	28K6	28K10	28K10

SEE JOIST WEB LOAD DIAGRAM FOR JOIST DESIGN
NO MECHANICAL UNITS MAY BE PLACED ON JOISTS INDICATED WITH AN •

JOIST SEAT SCHEDULE

(FOR 20, 30 & 40 PSF LIVE LOADS ONLY)

MARK	HEIGHT	REMARKS	MARK	HEIGHT	REMARKS
1	4 1/2"	PL & TUBE	17	14"	PL & TUBE
2	5 1/4"	PL & TUBE	18	14 1/2"	PL & TUBE
3	6"	PL & TUBE	19	15"	PL & TUBE
4	6 3/4"	PL & TUBE	20	15 1/2"	PL & TUBE
5	7 1/2"	PL & TUBE			
6	8 1/4"	PL & TUBE			
7	9"	PL & TUBE			
8	9 1/2"	PL & TUBE			
9	10"	PL & TUBE			
10	10 1/2"	PL & TUBE			
11	11"	PL & TUBE			
12	11 1/2"	PL & TUBE			
13	12"	PL & TUBE			
14	12 1/2"	PL & TUBE			
15	13"	PL & TUBE			
16	13 1/2"	PL & TUBE			

NOTE JOIST SEATS TO BE CONSTRUCTED OF T.S. 4"X 4"X 3/8"W/4 1/2"X 6 1/2" X 3/8" PLATE. SEE SHT S3, BEARING PLATE A

REV	DATE	DESCRIPTION	BY
1	01FEB90	CODE UPDATE & STRUCTURAL CHANGES	JJC

VIEW CONVENTION — SCALE — UNITS OF MEASURE: INCH — ISSUE REF: —-—

REGISTERED ARCHITECT No. 4896 ANDOVER, MASS.

McDonald's®
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

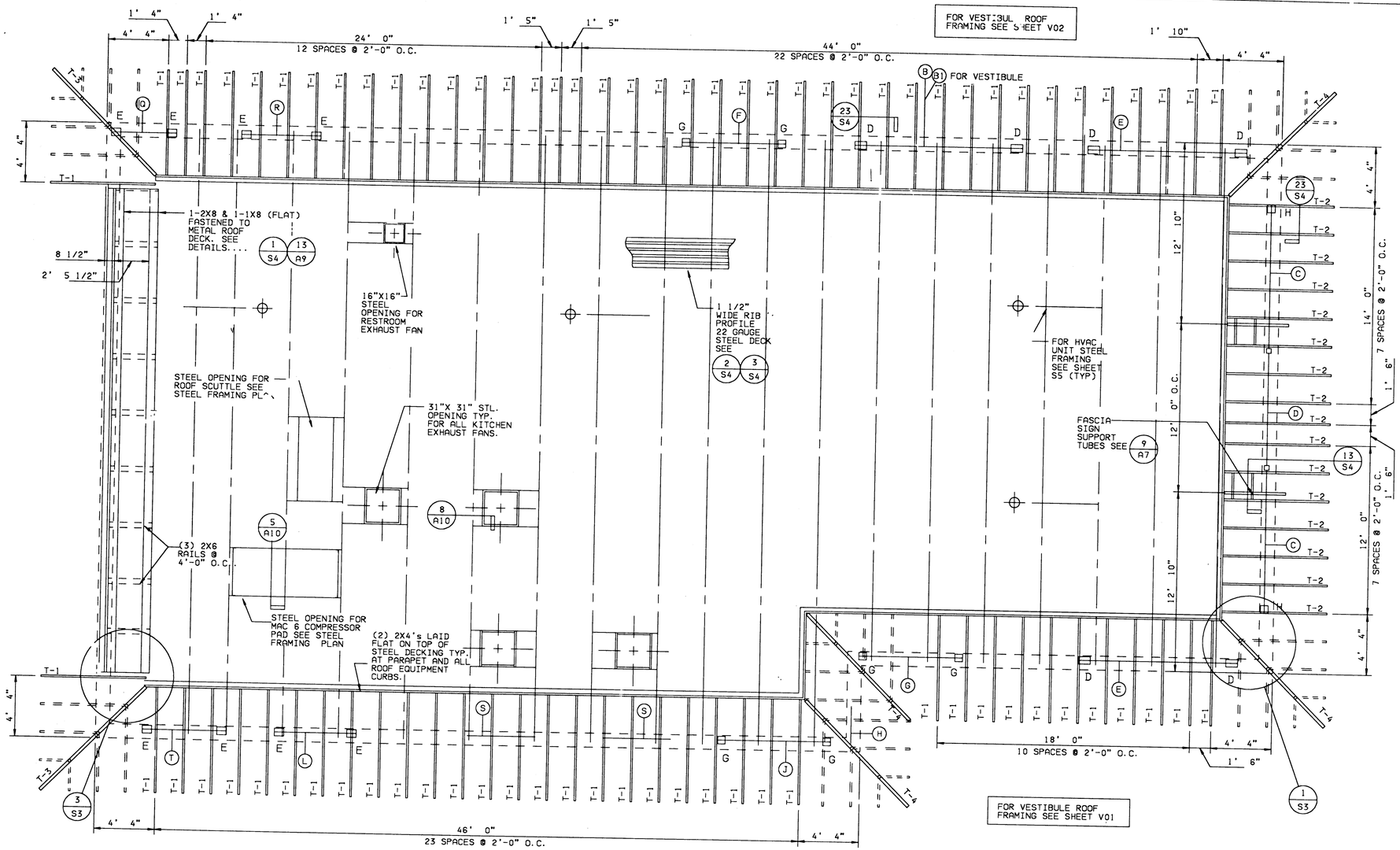
McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE 37-84/89 BASEMENT
DRAWN BY RW
DATE DRAWN XXX
MATERIAL / DESCRIPTION 60 & 90 PSF LIVE LOAD
DRAWING ID 9BM -3784BS
CHECKED BY XXX
APPROVED BY XXX
ISSUE REF —-—
DATE CHECKED XXX
DATE APPROVED XXX
DATE ISSUED 01SEP89
LOCAL ADDRESS

SHEET NO. S1

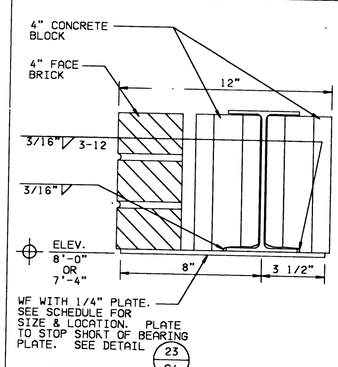
40 PSF LIVE LOAD

MCD10A (01FEB89)


FOR VESTIBUL ROOF FRAMING SEE SHEET V02
1' 4"
4' 4"
24' 0"
12 SPACES @ 2'-0" O.C.
1' 5"
44' 0"
22 SPACES @ 2'-0" O.C.
1' 10"
FOR VESTIBULE
1-2X8 & 1-1X8 (FLAT) FASTENED TO METAL ROOF DECK. SEE DETAILS....
8 1/2"
2' 5 1/2"
16"X16" STEEL OPENING FOR RESTROOM EXHAUST FAN
1 1/2" WIDE RIB PROFILE 22 GAUGE STEEL DECK SEE
STEEL OPENING FOR ROOF SCUTTLE SEE STEEL FRAMING PL^
31"X 31" STL. OPENING TYP. FOR ALL KITCHEN EXHAUST FANS.
FOR HVAC UNIT STEEL FRAMING SEE SHEET S5 (TYP)
FASCIA SIGN SUPPORT TUBES SEE
(3) 2X6 RAILS @ 4'-0" O.C.
STEEL OPENING FOR MAC 6 COMPRESSOR PAD SEE STEEL FRAMING PLAN
(2) 2X4's LAID FLAT ON TOP OF STEEL DECKING TYP. AT PARAPET AND ALL ROOF EQUIPMENT CURBS.
4' 4"
14' 0"
7 SPACES @ 2'-0" O.C.
1' 6"
12' 10"
12' 0" O.C.
18' 0"
10 SPACES @ 2'-0" O.C.
46' 0"
23 SPACES @ 2'-0" O.C.
FOR VESTIBULE ROOF FRAMING SEE SHEET V01

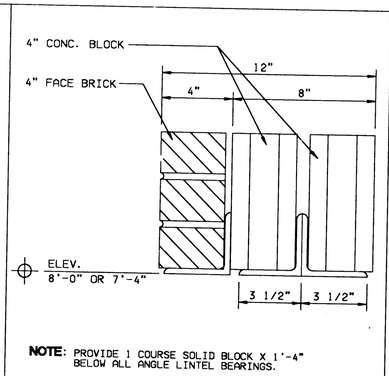
MANSARD FRAMING AND STEEL ROOF DECK PLAN

SCALE: 1/4"=1'-0"



DETAIL

SCALE: 3"=1'-0"



NOTE: PROVIDE 1 COURSE SOLID BLOCK X 1'-4" BELOW ALL ANGLE LINTEL BEARINGS.

DETAIL

SCALE: 3"=1'-0"

LINTEL SCHEDULE

MARK	SHP	20 PSF LIVE LOAD	30 PSF LIVE LOAD	40 PSF LIVE LOAD	60 PSF LIVE LOAD	90 PSF LIVE LOAD	QTY	LENGTH	ELEVATION ABOVE FLOOR SLAB	REMARKS
A		NA	NA	NA	NA	NA				
B B1	I	W8 X 24 & 1/4" X 11 1/2" PL	W16 X 26 & 1/4" X 11 1/2" PL	W16 X 31 & 1/4" X 11 1/2" PL	W16 X 31 & 1/4" X 11 1/2" PL	W16 X 31 & 1/4" X 11 1/2" PL	1	12'-4"	B 8'-0" TO BOTTOM OF PL B1 1'-4" TO TOP OF BM. (NO PLATE ON B1)	B SEE DTL. 1/S2 B1 SEE SHEET V2
C	I	W8 X 13 & 1/4" X 11 1/2" PL	W8 X 15 & 1/4" X 11 1/2" PL	W8 X 15 & 1/4" X 11 1/2" PL	W8 X 18 & 1/4" X 11 1/2" PL	W8 X 21 & 1/4" X 11 1/2" PL	2	10'-2 1/4"	8'-0" TO BOTTOM OF PL	
D	I	W8 X 0 & 1/4" X 11 1/2" PL	W8 X 13 & 1/4" X 11 1/2" PL	W8 X 13 & 1/4" X 11 1/2" PL	W8 X 13 & 1/4" X 11 1/2" PL	W8 X 15 & 1/4" X 11 1/2" PL	1	7'-11 1/2"	8'-0" TO BOTTOM OF PL	
E	I	W8 X 21 & 1/4" X 11 1/2" PL	W16 X 26 & 1/4" X 11 1/2" PL	W16 X 26 & 1/4" X 11 1/2" PL	W16 X 26 & 1/4" X 11 1/2" PL	W16 X 31 & 1/4" X 11 1/2" PL	2	11'-8"	8'-0" TO BOTTOM OF PL	SEE DTL. 1/S2
F	I	W8 X 13 & 1/4" X 11 1/2" PL	W8 X 13 & 1/4" X 11 1/2" PL	W8 X 15 & 1/4" X 11 1/2" PL	W8 X 15 & 1/4" X 11 1/2" PL	W8 X 18 & 1/4" X 11 1/2" PL	1	7'-5"	8'-0" TO BOTTOM OF PL.	SEE DTL. 1/S2
G	I	W8 X 13 & 1/4" X 11 1/2" PL	W8 X 13 & 1/4" X 11 1/2" PL	W8 X 15 & 1/4" X 11 1/2" PL	W8 X 15 & 1/4" X 11 1/2" PL	W8 X 18 & 1/4" X 11 1/2" PL	1	7'-5"	8'-0" TO BOTTOM OF PL.	
H	⊥⊥	(3) L3 1/2" X 3 1/2"X 5/16"	(3) L3 1/2" X 3 1/2"X 5/16"	(3) L3 1/2" X 3 1/2"X 5/16"	(3) L3 1/2" X 3 1/2"X 5/16"	(3) L3 1/2" X 3 1/2"X 5/16"	1	2'-8"	8'-0" TO BOTTOM OF	SEE DTL. 2/S2
J	I	W8 X 13 & 1/4" X 11 1/2" PL	W8 X 15 & 1/4" X 11 1/2" PL	W8 X 15 & 1/4" X 11 1/2" PL	W8 X 18 & 1/4" X 11 1/2" PL	W8 X 21 & 1/4" X 11 1/2" PL	1	8'-1"	8'-0" TO BOTTOM OF PL	SEE DTL. 1/S2
K		NA	NA	NA	NA	NA				
L	I	W8 X 10 & 1/4" X 11 1/2" PL	W8 X 10 & 1/4" X 11 1/2" PL	W8 X 10 & 1/4" X 11 1/2" PL	W8 X 10 & 1/4" X 11 1/2" PL	W8 X 13 & 1/4" X 11 1/2" PL	1	5'-10 1/4"	8'-0" TO BOTTOM OF PL.	SEE DTL. 1/S2
M		NA	NA	NA	NA	NA				
N		NA	NA	NA	NA	NA				
P		NA	NA	NA	NA	NA				
Q	I	W8 X 10 & 1/4" X 11 1/2" PL	W8 X 10 & 1/4" X 11 1/2" PL	W8 X 10 & 1/4" X 11 1/2" PL	W8 X 10 & 1/4" X 11 1/2" PL	W8 X 13 & 1/4" X 11 1/2" PL	1	4'-8"	7'-4" TO BOTTOM OF PL.	SEE DTL. 1/S2
R	I	W8 X 10 & 1/4" X 11 1/2" PL	W8 X 10 & 1/4" X 11 1/2" PL	W8 X 10 & 1/4" X 11 1/2" PL	W8 X 10 & 1/4" X 11 1/2" PL	W8 X 13 & 1/4" X 11 1/2" PL	1	5'-8"	7'-4" TO BOTTOM OF PL.	SEE DTL. 1/S2
S	L	GAS 2 L3 1/2" X 3 1/2" X 5/16" ELEC 2 L3 1/2" X 3 1/2" X 5/16"	GAS 2 L3 1/2" X 3 1/2" X 5/16" ELEC 2 L3 1/2" X 3 1/2" X 5/16"	GAS 2 L3 1/2" X 3 1/2" X 5/16" ELEC 2 L3 1/2" X 3 1/2" X 5/16"	GAS 2 L3 1/2" X 3 1/2" X 5/16" ELEC 2 L3 1/2" X 3 1/2" X 5/16"	GAS 2 L3 1/2" X 3 1/2" X 5/16" ELEC 2 L3 1/2" X 3 1/2" X 5/16"	2	GAS 2'-0" ELEC 3'-4"	10 1/2" TO BOTTOM OF	SEE DTL. 10/A2
T	I	W8 X 10 & 1/4" X 11 1/2" PL	W8 X 10 & 1/4" X 11 1/2" PL	W8 X 10 & 1/4" X 11 1/2" PL	W8 X 10 & 1/4" X 11 1/2" PL	W8 X 13 & 1/4" X 11 1/2" PL	1	6'-0"	8'-0" TO BOTTOM OF PL.	SEE DTL. 1/S2
U		NA	NA	NA	NA	NA				

REV	DATE	DESCRIPTION	BY
1	01FEB90	CODE UPDATE & STRUCTURAL CHANGES	JJC

VIEW CONVENTION — SCALE — UNITS OF MEASURE: INCH

ISSUE REF: —

LOCAL ADDRESS: —

REGISTERED ARCHITECT JOHN J. CARR No. 4496 ANDOVER, MASS. COMMONWEALTH OF MASSACHUSETTS

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

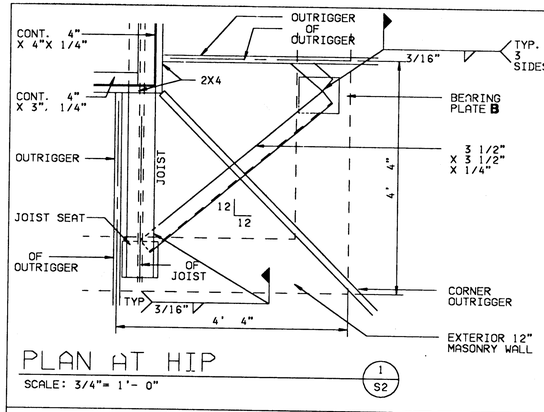
TITLE: 37-84/89 BASEMENT MATERIAL / DESCRIPTION

DRAWN BY: JRW
DATE DRAWN: —
CHECKED BY: —
DATE CHECKED: —XXX—
APPROVED BY: —
DATE APPROVED: —XXX—
DATE ISSUED: 01SEP89
ISSUE REF: —

DRAWING ID: 93M -3784BS

SHEET NO. S02

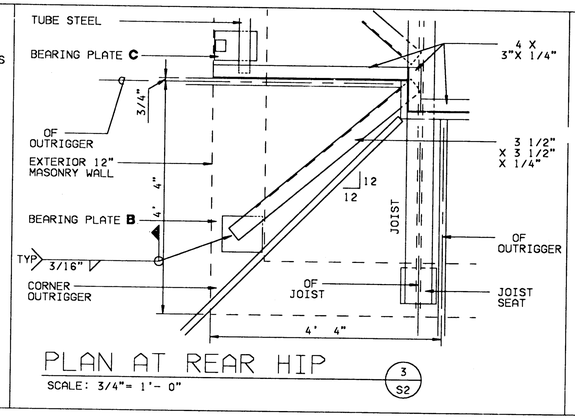
MD104 (01FEB89)



PLAN AT HIP

SCALE: 3/4"= 1'- 0"

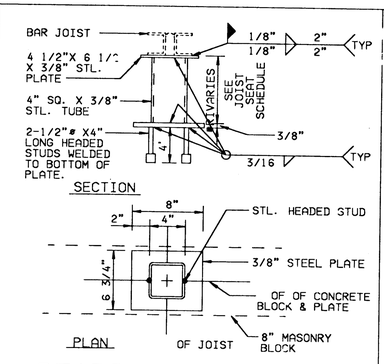
1 / S2



PLAN AT REAR HIP

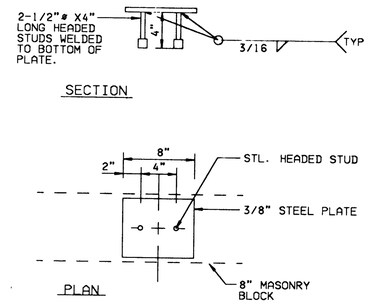
SCALE: 3/4"= 1'- 0"

3 / S2



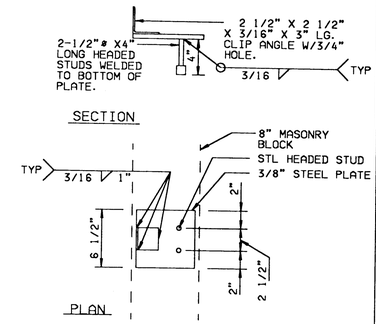
BEARING PLATE A

SCALE:1 1/2"=1'-0"



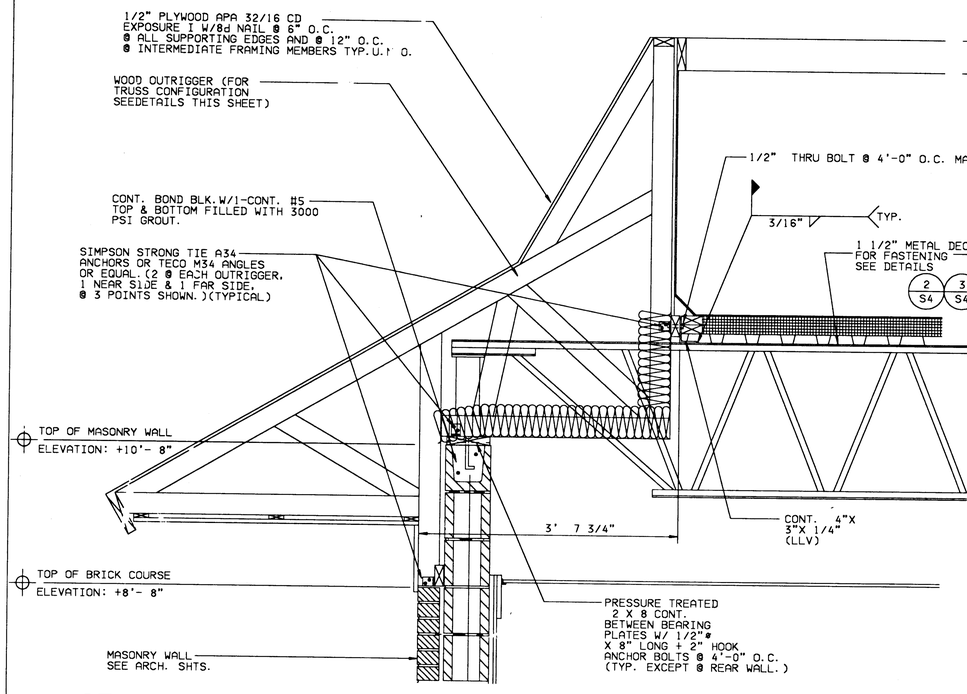
BEARING PLATE B

SCALE:1 1/2"=1'-0"



BEARING PLATE C

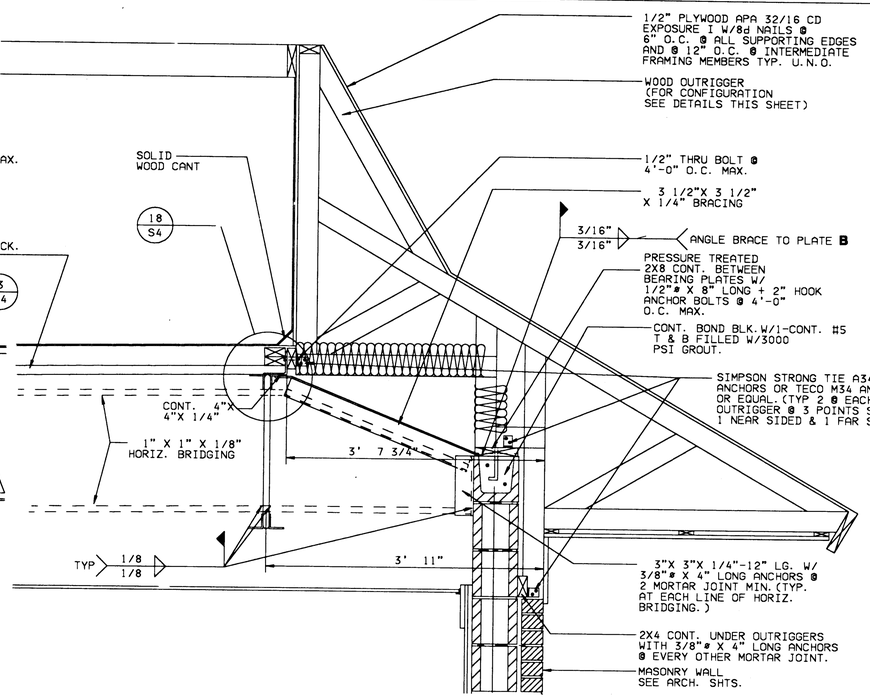
SCALE:1 1/2"=1'-0"


1/2" PLYWOOD APA 32/16 CD EXPOSURE I W/8d NAIL @ 6" O.C. @ ALL SUPPORTING EDGES AND @ 12" O.C. @ INTERMEDIATE FRAMING MEMBERS TYP.U.N.O.
WOOD OUTRIGGER (FOR TRUSS CONFIGURATION SEEDETAILS THIS SHEET)
1/2" THRU BOLT @ 4'-0" O.C. MAX.
3/16"
TYP.
1 1/2" METAL DECK. FOR FASTENING SEE DETAILS
2 S4
3 S4
CONT. BOND BLK. W/1-CONT. #5 TOP & BOTTOM FILLED WITH 3000 PSI GROUT.
SIMPSON STRONG TIE A34 ANCHORS OR TECO M34 ANGLES OR EQUAL. (2 @ EACH OUTRIGGER, 1 NEAR SIDE & 1 FAR SIDE, @ 3 POINTS SHOWN.)(TYPICAL)
TOP OF MASONRY WALL
ELEVATION: +10'- 8"
TOP OF BRICK COURSE
ELEVATION: +8'- 8"
3' 7 3/4"
CONT. 4"X 3"X 1/4" (LLV)
PRESSURE TREATED 2 X 8 CONT. BETWEEN BEARING PLATES W/ 1/2"ø X 8" LONG + 2" HOOK ANCHOR BOLTS @ 4'-0" O.C. (TYP. EXCEPT @ REAR WALL.)
MASONRY WALL SEE ARCH. SHTS.

SECTION

SCALE: 1"= 1'- 0"

2 / S1

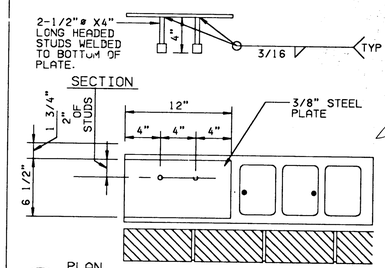

SOLID WOOD CANT
18 S4
1/2" PLYWOOD APA 32/16 CD EXPOSURE I W/8d NAILS @ 6" O.C. @ ALL SUPPORTING EDGES AND @ 12" O.C. @ INTERMEDIATE FRAMING MEMBERS TYP. U.N.O.
WOOD OUTRIGGER (FOR CONFIGURATION SEE DETAILS THIS SHEET)
1/2" THRU BOLT @ 4'-0" O.C. MAX.
3 1/2"X 3 1/2" X 1/4" BRACING
3/16"
3/16"
ANGLE BRACE TO PLATE B
PRESSURE TREATED 2X8 CONT. BETWEEN BEARING PLATES W/ 1/2"ø X 8" LONG + 2" HOOK ANCHOR BOLTS @ 4'-0" O.C. MAX.
CONT. BOND BLK. W/1-CONT. #5 T & B FILLED W/3000 PSI GROUT.
SIMPSON STRONG TIE A34 ANCHORS OR TECO M34 ANGLES: OR EQUAL. (TYP 2 @ EACH OUTRIGGER @ 3 POINTS SHOWN, 1 NEAR SIDED & 1 FAR SIDED.)
CONT. 4"X 4"X 1/4"
1" X 1" X 1/8" HORIZ. BRIDGING
3' 7 3/4"
TYP
1/8
1/8
3' 11"
3"X 3"X 1/4"-12" LG. W/ 3/8"ø X 4" LONG ANCHORS @ 2 MORTAR JOINT MIN. (TYP. AT EACH LINE OF HORIZ. BRIDGING.)
2X4 CONT. UNDER OUTRIGGERS WITH 3/8"ø X 4" LONG ANCHORS @ EVERY OTHER MORTAR JOINT.
MASONRY WALL SEE ARCH. SHTS.

SECTION

SCALE: 1"=1'-0"

5 / S1

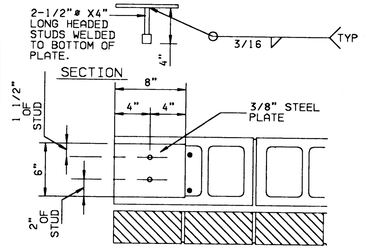
NOTE :FILL CORE W/3000 PSI GROUT, 2-COURSES DEEP, 32" LONG UNDER BEARING PLATE. (MIN.)



BEARING PLATE D

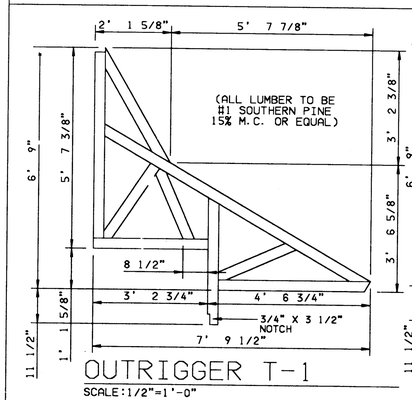
SCALE:1 1/2"=1'-0"

NOTE :FILL CORE W/3000 PSI GROUT, 2-COURSES DEEP, 16" LONG UNDER BEARING PLATE. (MIN.)



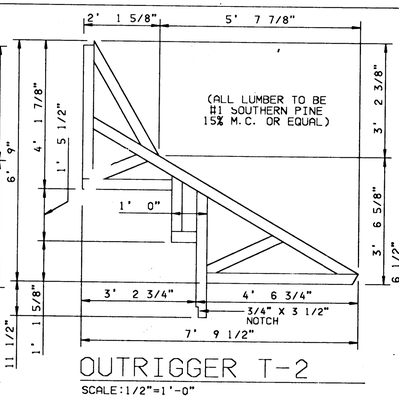
BEARING PLATE E

SCALE:1 1/2"=1'-0"



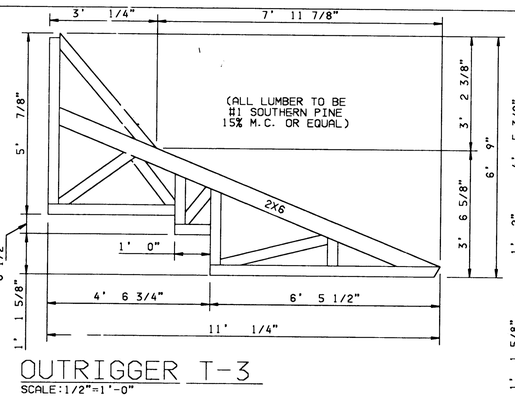
OUTRIGGER T-1

SCALE:1/2"=1'-0"



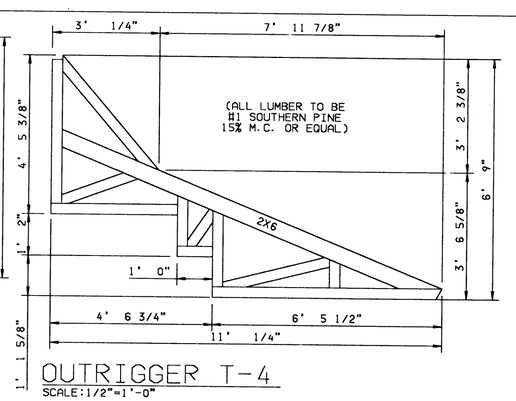
OUTRIGGER T-2

SCALE:1/2"=1'-0"



OUTRIGGER T-3

SCALE:1/2"=1'-0"



OUTRIGGER T-4

SCALE:1/2"=1'-0"

REV	DATE	DESCRIPTION	BY
1	01FEB90	CODE UPDATE & STRUCTURAL CHANGES	JJC

SCALE: — | ISSUE REF: — | 1/4"=1'-0" UNITS OF MEASURE

REGISTERED ARCHITECT — COMMONWEALTH OF MASSACHUSETTS — NO. 4336 — RICHARD MCGOVERN, MASS.

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

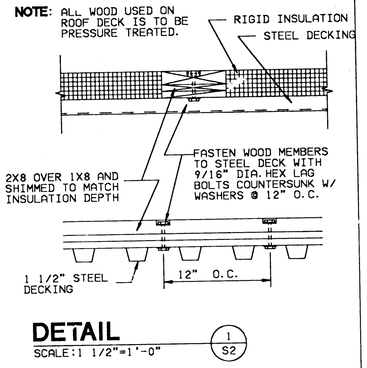
TITLE 37-84/89 BASEMENT

DRAWN BY	MATERIAL / DESCRIPTION	CHECKED BY	DATE CHECKED	DATE ISSUED
JAM			XXX	01SEP89
DATE DRAWN		APPROVED BY	DATE APPROVED	ISSUE REF
XXX			XXX	—

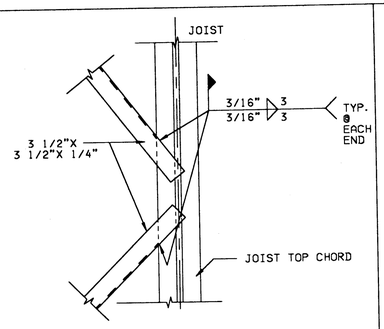
DRAWING ID 9BM -3784BS

SHEET NO. S03

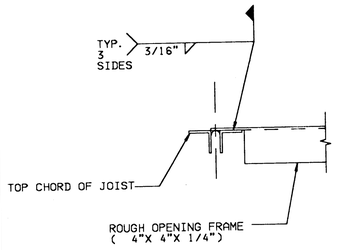
MCD104 (01FEB89)


NOTE: ALL WOOD USED ON ROOF DECK IS TO BE PRESSURE TREATED.
RIGID INSULATION
STEEL DECKING
FASTEN WOOD MEMBERS TO STEEL DECK WITH 9/16" DIA. HEX LAG BOLTS COUNTERSUNK W/ WASHERS @ 12" O.C.
2X8 OVER 1X8 AND SHIMMED TO MATCH INSULATION DEPTH
1 1/2" STEEL DECKING
12" O.C.

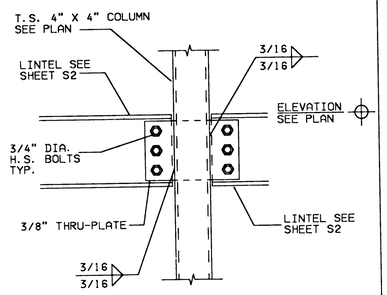
DETAIL (1 / S2)
SCALE:1 1/2"=1'-0"



DETAIL (5 / S1)
SCALE:1 1/2"=1'-0"

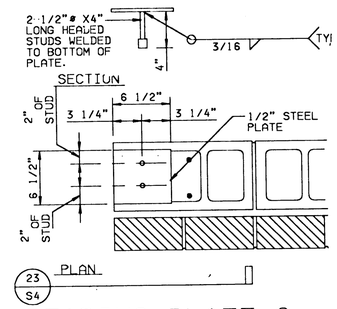


TYP. ANGLE TO JOIST DETAIL (9 / S1)
SCALE:1 1/2"=1'-0"



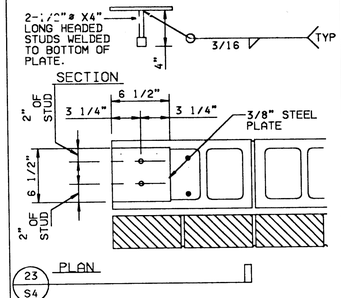
SECTION (13 / S1)
SCALE: 1 1/2" = 1'-0"

NOTE:
FILL CORE W/3000 PSI GROUT. 2-COURSES DEEP. 16" LONG UNDER BEARING PLATE. (MIN.)

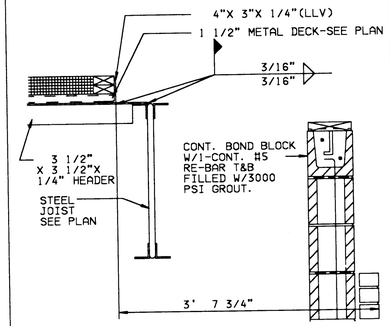


BEARING PLATE G
SCALE:1 1/2"=1'-0"

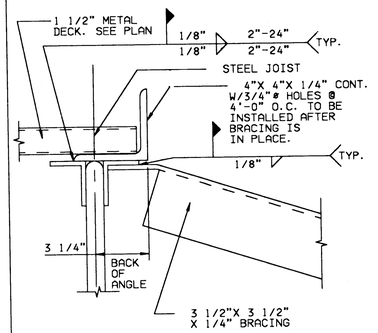
NOTE:
FILL CORE W/3000 PSI GROUT. 2-COURSES DEEP. 16" LONG UNDER BEARING PLATE. (MIN.)



BEARING PLATE H
SCALE:1 1/2"=1'-0"

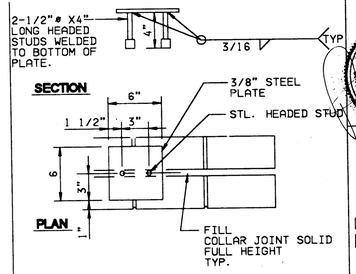

4"X 3"X 1/4"(LLV)
1 1/2" METAL DECK-SEE PLAN
3/16"
3/16"
3 1/2" X 3 1/2"X 1/4" HEADER
STEEL JOIST SEE PLAN
CONT. BOND BLOCK W/1-CONT. #5 RE-BAR T&B FILLED W/3000 PSI GROUT.
3' 7 3/4"

SECTION (14 / S1)
SCALE:1"=1'-0"



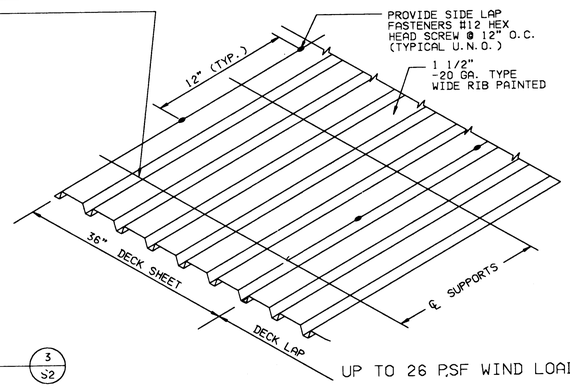
DETAIL (18 / A7) (18 / S3)
SCALE:3"=1'-0"

NOTE
:FILL CORE W/3000 PSI GROUT. 2-COURSES DEEP. 16" LONG UNDER BEARING PLATE. (MIN.)



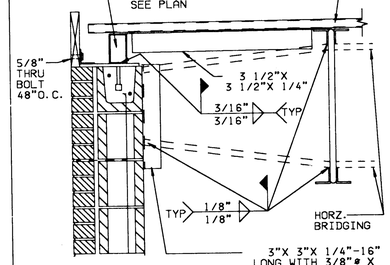
BEARING PLATE J
SCALE:1 1/2"=1'-0" FOR VESTIBULES

WELDED CONNECTIONS
5/8" PUDDLE WELD @ 12" O.C. @ EACH SUPPORT

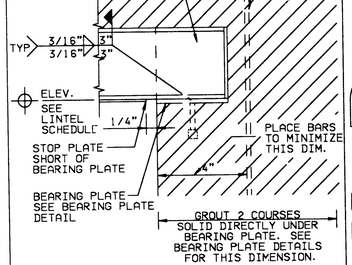

PROVIDE SIDE LAP FASTENERS #12 HEX HEAD SCREW @ 12" O.C. (TYPICAL U.N.O.)
12" (TYP.)
1 1/2" -20 GA. TYPE WIDE RIB PAINTED
36" DECK SHEET
DECK LAP
@ SUPPORTS
UP TO 26 PSF WIND LOAD

DETAIL (3 / S2)
SCALE:1"=1'-0"

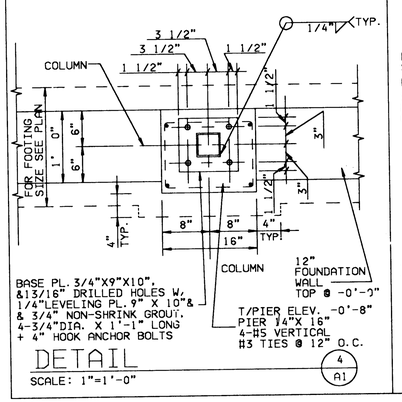
NOTE: SET REAR WALL PLATES TO THIS DIMENSION. FOR DETAIL OF PLATE SEE BEARING PLATE C SHEET S3.


CONT. T.S. SEE PLAN
1 1/2" METAL DECK
5/8" THRU BOLT 48"O.C.
3 1/2"X 3 1/2"X 1/4"
3/16"
3/16"
TYP
TYP
1/8"
1/8"
HORZ. BRIDGING
3"X 3"X 1/4"-16" LONG WITH 3/8"ø X 4" DRILLED IN ANCHORS @ 2 MORTAR JOINTS MIN.. (TYP AT EACH LINE OF HORIZ. BRIDGING.)

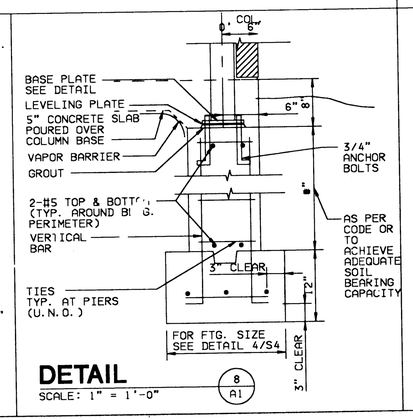
DETAIL (19 / S1)
SCALE:1"=1'-0"


WIDE FLANGE LINTEL (SEE PLAN & SCHEDULE)
VERTICAL RE-BAR FOR LOCATION SEE SHT. A3
TYP
3/16"
3/16"
3"
3"
ELEV. SEE LINTEL SCHEDULE
1/4"
STOP PLATE SHORT OF BEARING PLATE
BEARING PLATE SEE BEARING PLATE DETAIL
PLACE BARS TO MINIMIZE THIS DIM.
4"
GROUT 2 COURSES SOLID DIRECTLY UNDER BEARING PLATE. SEE BEARING PLATE DETAILS FOR THIS DIMENSION.

SECTION (23 / S2) (23 / S3) (23 / A1)
SCALE:NONE



DETAIL (4 / A1)
SCALE: 1"=1'-0"



DETAIL (8 / A1)
SCALE: 1" = 1'-0"

1 01FEB99 CODE UPDATE & STRUCTURAL CHANGES JJC

REV	DATE	DESCRIPTION	BY	ISSUE REF

VIEW CONVENTION — SCALE — UNITS OF MEASURE: INCH

REGISTERED ARCHITECT — No. 4096 — STATE OF WISCONSIN

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

McDONALD'S CORPORATION
OAK BROOK, ILLINOIS 60521

TITLE	DRAWN BY	DATE DRAWN	DRAWING ID
37-84/89 BASEMENT	JRW	_XXX_	9BM -3784BS

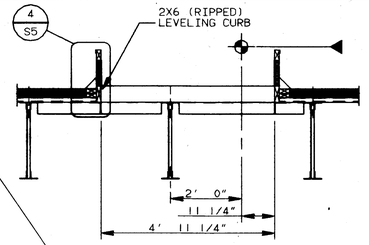
MATERIAL / DESCRIPTION	CHECKED BY	APPROVED BY	ISSUE REF

DATE CHECKED	DATE APPROVED	DATE ISSUED
XXX	_XXX_	01SEP89

SHEET NO. S04

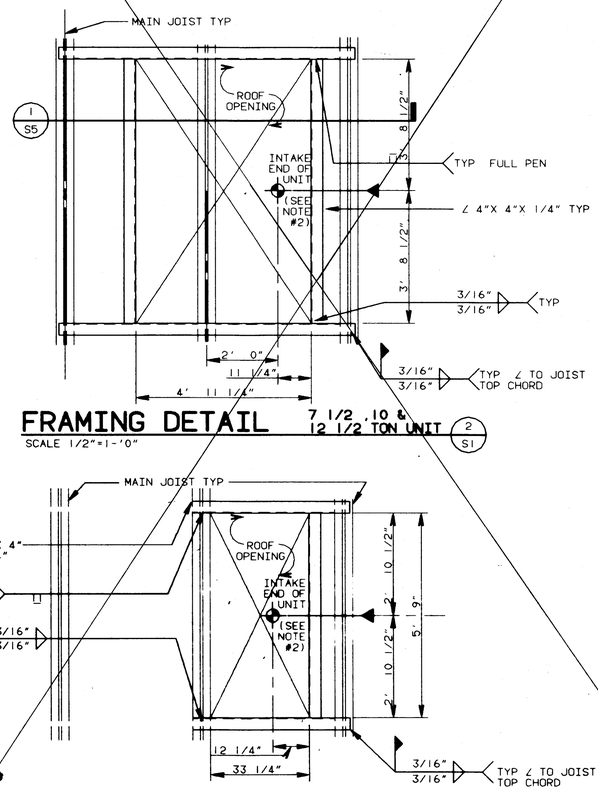
MCDI04 (01FEB99)

YORK HVAC UNIT STEEL FRAMING

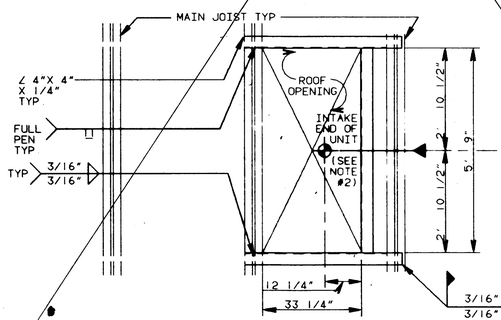


NOTES
1 FOR REFERENCE POINT LOCATIONS OF HVAC UNITS SEE SHEET S1
2 COORDINATE AIR INTAKE END OF UNIT ON DETAILS W/STEEL FRAMING PLAN FOR CORRECT ORIENTATION OF UNITS
3 FOR JOIST SPACING SEE SHEET S1

SECTION
SCALE 1/2" = 1'-0" (1 S5)

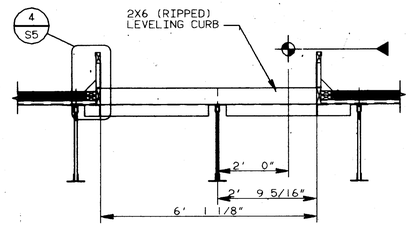


FRAMING DETAIL
7 1/2, 10 & 12 1/2 TON UNIT (2 S1)
SCALE 1/2"=1'-0"



FRAMING DETAIL
5 TON UNIT (3 S1)
SCALE 1/2"=1'-0"

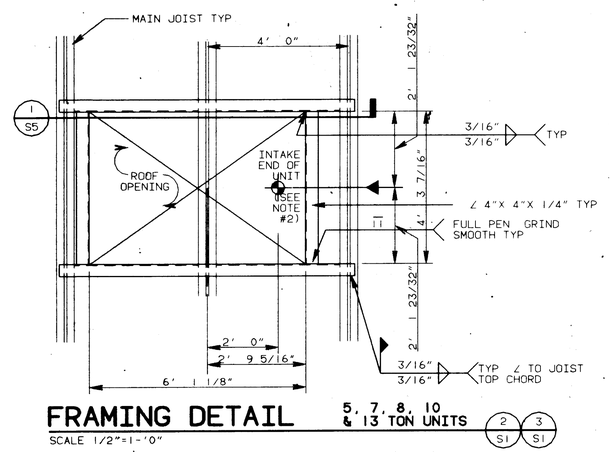
AAON HVAC UNIT STEEL FRAMING



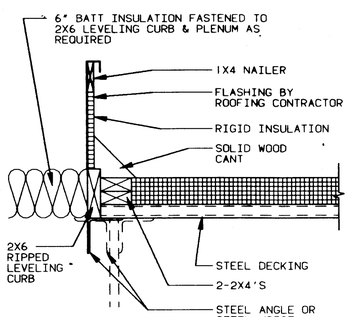
NOTES
1 FOR REFERENCE POINT LOCATIONS OF HVAC UNITS SEE SHEET S1
2 COORDINATE AIR INTAKE END OF UNIT ON DETAILS W/STEEL FRAMING PLAN FOR CORRECT ORIENTATION OF UNITS
3 FOR JOIST SPACING SEE SHEET S1

SECTION
SCALE 1/2" = 1'-0" (1 S5)

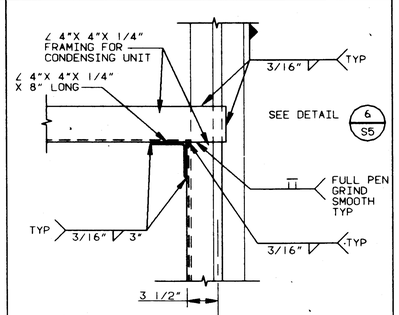
NOTE .SEE DETAIL (6 S5)



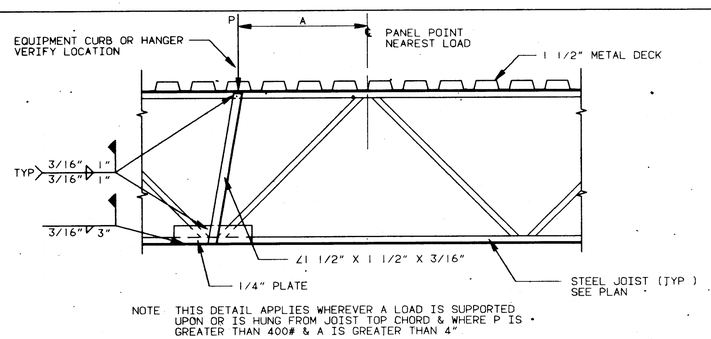
FRAMING DETAIL
5, 7, 8, 10 & 13 TON UNITS (2 S1) (3 S1)
SCALE 1/2"=1'-0"



DETAIL
SCALE 1 1/2" = 1'- 0" (4 S5)

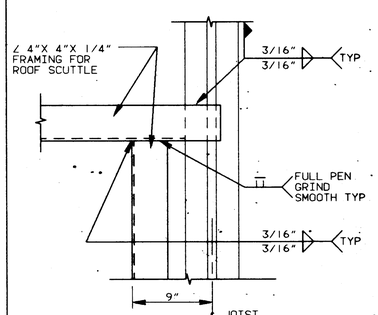


DETAIL
SCALE 1 1/2" = 1'- 0" (5 S1)



NOTE THIS DETAIL APPLIES WHEREVER A LOAD IS SUPPORTED UPON OR IS HUNG FROM JOIST TOP CHORD & WHERE P IS GREATER THAN 400# & A IS GREATER THAN 4"

TYP. EQUIPMENT CURB SUPPORT DETAIL
SCALE 1" = 1'-0" (6 S5)



DETAIL
SCALE 1 1/2" = 1'- 0" (7 S1)

NOTE SEE DETAIL 6/S5

REV	DATE	DESCRIPTION	BY
ISSUE REF			

VIEW CONVENTION | SCALE | UNITS OF MEASURE

REGISTERED ARCHITECT No. 4496 STATE OF WASHINGTON

McDonald's®
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

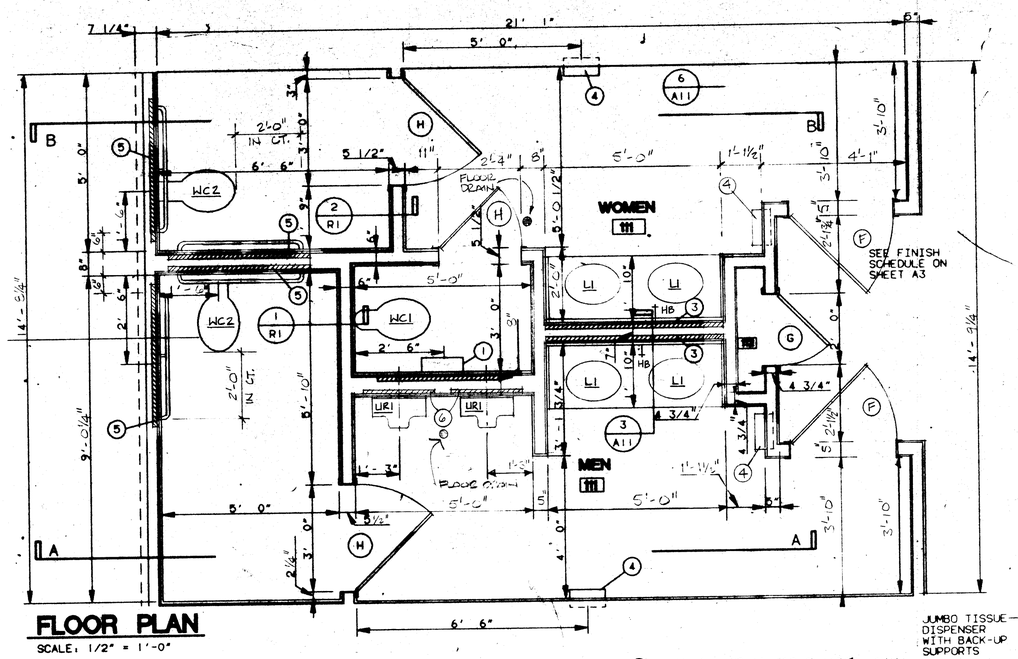
McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE 37-84/89 BASEMENT

DRAWN BY	MATERIAL / DESCRIPTION	CHECKED BY	DATE CHECKED 30AUG89
DATE DRAWN XXX		APPROVED BY	DATE APPROVED XXX
DRAWING ID 9BM -3784BS		ISSUE REF -	DATE ISSUED 01SEP89

LOCAL ADDRESS

SHEET NO S05

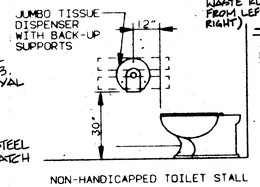


FLOOR PLAN

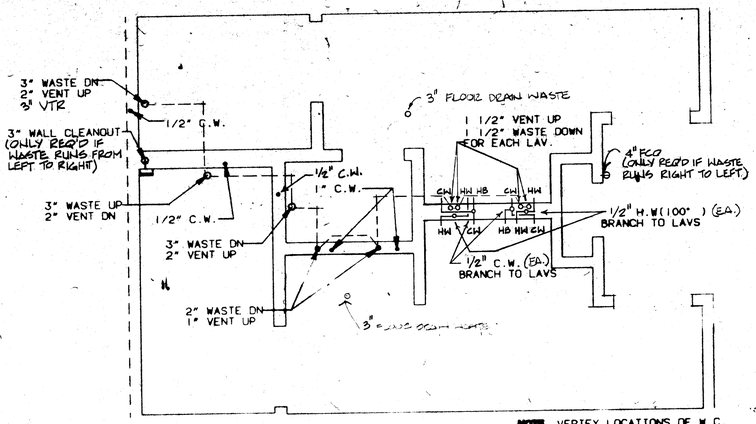
SCALE: 1/2" = 1'-0"

NOTES

1. (2) 1X6'S 2'-8" LONG (1) @ 34" A.F.F. AND (1) @ 42 1/2" A.F.F. NOTCHED INTO STUDS TO FIT FLUSH WITH FACE OF STUDS.
2. (2) 1X6'S 2'-8" LONG (1) @ 55" A.F.F. AND (1) @ 63" A.F.F. NOTCHED INTO STUDS TO FIT FLUSH WITH FACE OF STUDS.
3. 1X8 - 5'-0" LONG @ 2'-6 1/8" FROM TOP OF SLAB TO CL OF 1X8 NOTCHED INTO STUD TO FIT FLUSH W/ FACE OF STUDS.
4. ELECTRIC HAND DRYER MOUNTED @ 38" A.F.F. IN MEN'S ROOM & WOMEN'S ROOM.
5. 2X6 4'-0" LONG MOUNTED @ 33" A.F.F. NOTCHED INTO STUDS TO FIT FLUSH WITH FACE OF STUDS. (TYP. AT ALL GRAB BAR LOCATIONS).
6. 2X6 - 2'-0" LONG @ 3'-2" A.F.F. TO ℄ OF 2X6 NOTCHED INTO STUD TO FIT FLUSH W/ FACE OF STUDS.
7. HANDICAP WATER CLOSETS SHALL HAVE A ROYAL FLUSH VALVE 115-3. NON-HANDICAP SHALL HAVE A ROYAL FLUSH VALVE 110-3.
H. STALL DOORS TO BE WOOD W/ STEEL FRAME, BUTT HINGES, PRIVACY LATCH AND DOOR STOP.



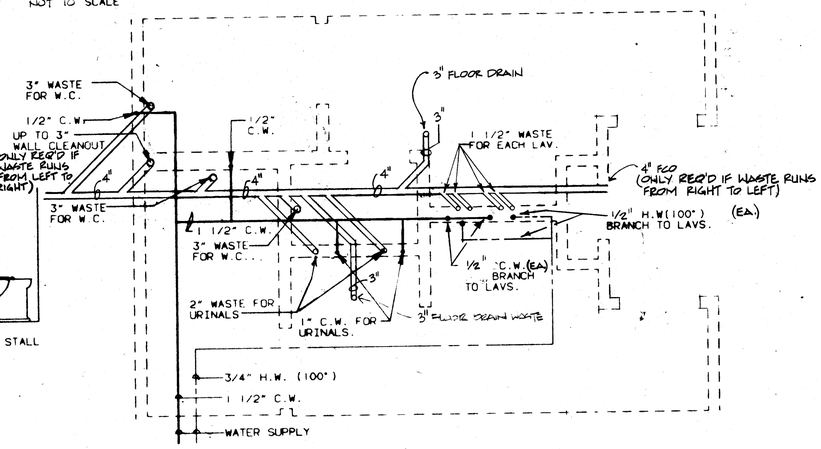
NON-HANDICAPPED TOILET STALL


3" WASTE DN
2" VENT UP
3" VTR
1/2" C.W.
3" WALL CLEANOUT (ONLY REQ'D IF WASTE RUNS FROM LEFT TO RIGHT)
3" WASTE UP
2" VENT DN
3" WASTE DN
2" VENT UP
2" WASTE DN
1" VENT UP
3" FLOOR DRAIN WASTE
1 1/2" VENT UP
1 1/2" WASTE DOWN FOR EACH LAV.
4" FCO (ONLY REQ'D IF WASTE RUNS RIGHT TO LEFT)
1" C.W.
1/2" H.W.(100°) (EA) BRANCH TO LAVS
1/2" C.W. (EA.) BRANCH TO LAVS
3" FLOOR DRAIN WASTE

ABOVE FLOOR PIPING PLAN

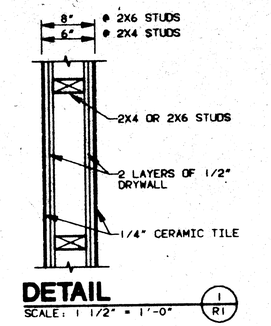
NOT TO SCALE

NOTE VERIFY LOCATIONS OF W.C. TO INSURE NO CONFLICT EXISTS BETWEEN FLUSH VALVE & GRAB BARS.


3" WASTE FOR W.C.
1/2" C.W. UP TO 3" WALL CLEANOUT (ONLY REQ'D IF WASTE RUNS FROM LEFT TO RIGHT)
3" WASTE FOR W.C.
5" FLOOR DRAIN
1 1/2" WASTE FOR EACH LAV.
4" FCO (ONLY REQ'D IF WASTE RUNS FROM RIGHT TO LEFT)
1/2" H.W.(100°) (EA.) BRANCH TO LAVS.
1 1/2" C.W.
3" WASTE FOR W.C.
2" WASTE FOR URINALS
1" C.W. FOR URINALS.
1/2" C.W.(EA.) BRANCH TO LAVS.
3" FLOOR DRAIN WASTE
3/4" H.W. (100°)
1 1/2" C.W.
WATER SUPPLY

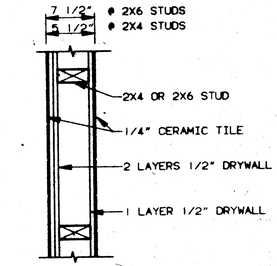
BELOW FLOOR PIPING PLAN

NOT TO SCALE



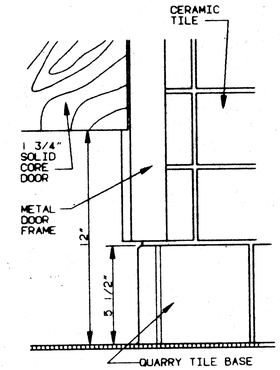
DETAIL

SCALE: 1 1/2" = 1'-0" (1/R1)



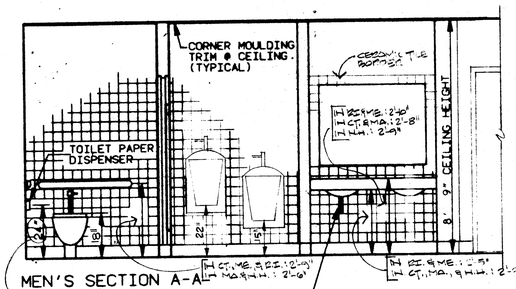
DETAIL

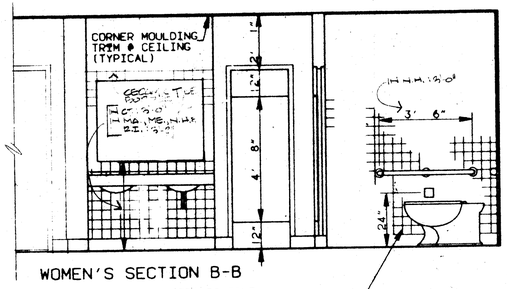
SCALE: 1 1/2" = 1'-0" (2/R1)



DETAIL

SCALE: 3" = 1'-0" (3/R1)



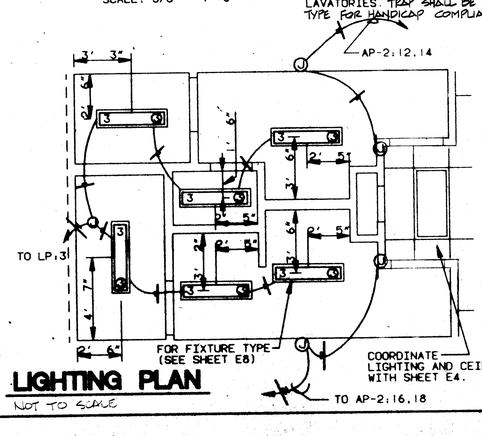


ELEVATIONS

SCALE: 3/8" = 1'-0"

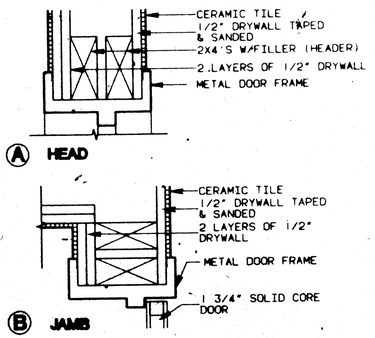
ALL WATER LINES AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES. TRAP SHALL BE SHALLOW TYPE FOR HANDICAP COMPLIANCE.

ALL CERAMIC TILE IN RESTROOMS TO BE LIGHT IN COLOR.



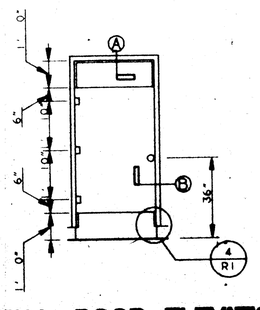
LIGHTING PLAN

NOT TO SCALE



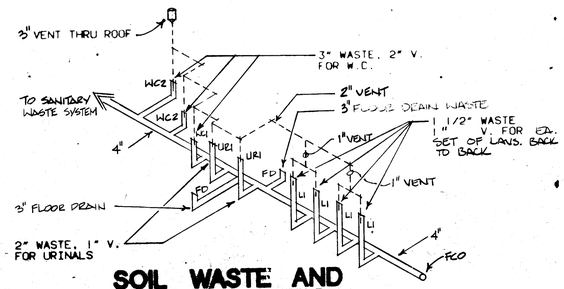
STALL DOOR DETAILS

SCALE: 3" = 1'-0"



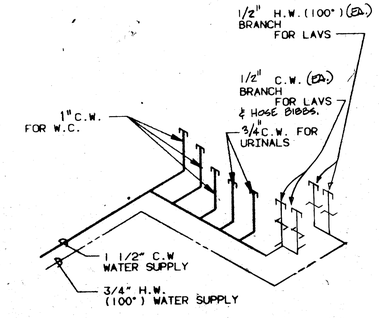
STALL DOOR ELEVATION

SCALE: 3/8" = 1'-0"


3" VENT THRU ROOF
3" WASTE, 2" V. FOR W.C.
TO SANITARY WASTE SYSTEM
2" VENT
3" FLOOR DRAIN WASTE
1 1/2" WASTE 1" V. FOR EA. SET OF LAVS. BACK TO BACK
1" VENT
1" VENT
4"
FCO
3" FLOOR DRAIN
2" WASTE, 1" V. FOR URINALS

SOIL WASTE AND VENT ISOMETRIC

NO SCALE


1/2" H.W.(100°) (EA.) BRANCH FOR LAVS
1/2" C.W. (EA.) BRANCH FOR LAVS & HOSE BIBBS.
1" C.W. FOR W.C.
3/4" C.W. FOR URINALS
1 1/2" C.W WATER SUPPLY
3/4" H.W. (100°) WATER SUPPLY

WATER SUPPLY ISOMETRIC

NO SCALE

REV	DATE	DESCRIPTION	BY
1	2-1-90	CODE UPDATE	

UNITS OF MEASURE: INCH — SCALE — VIEW CONVENTION: 3RD ANGLE

REGISTERED ARCHITECT — COMMONWEALTH OF MASSACHUSETTS — No. 14496 — Andrew Weiss

McDonald's®

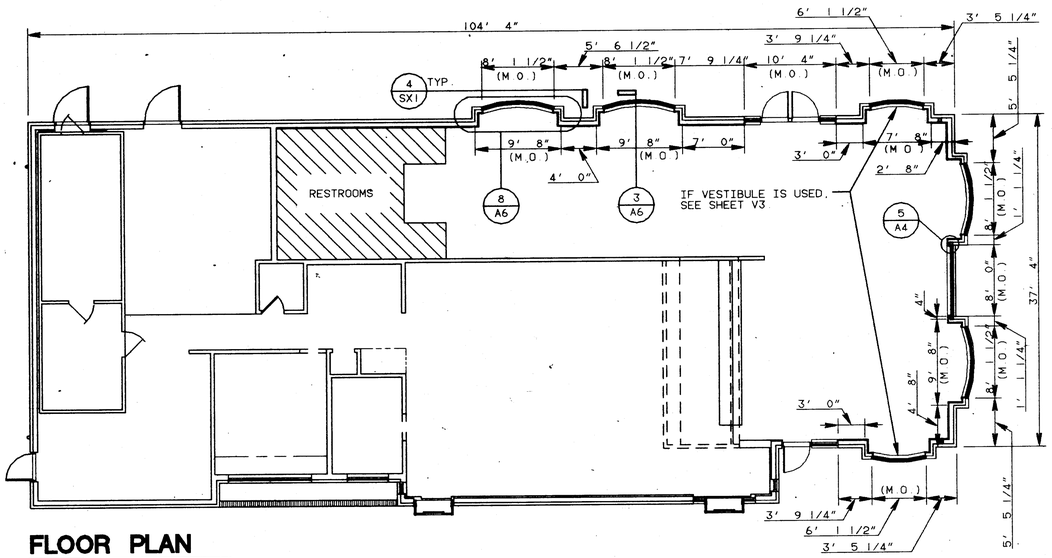
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE	MATERIAL / DESCRIPTION	DATE CHECKED	LOCAL ADDRESS
BLDG/89	LAYOUT G	30DEC88	- BLDG G
DRAWN BY JRW	CHECKED BY	DATE APPROVED 30DEC88	
DATE DRAWN NOV 88	APPROVED BY	DATE ISSUED 03JAN89	
DRAWING ID	ISSUE REF		

SHEET NO. R01

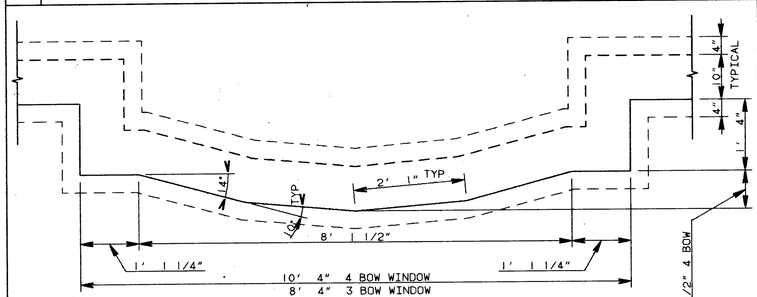
6888



FLOOR PLAN

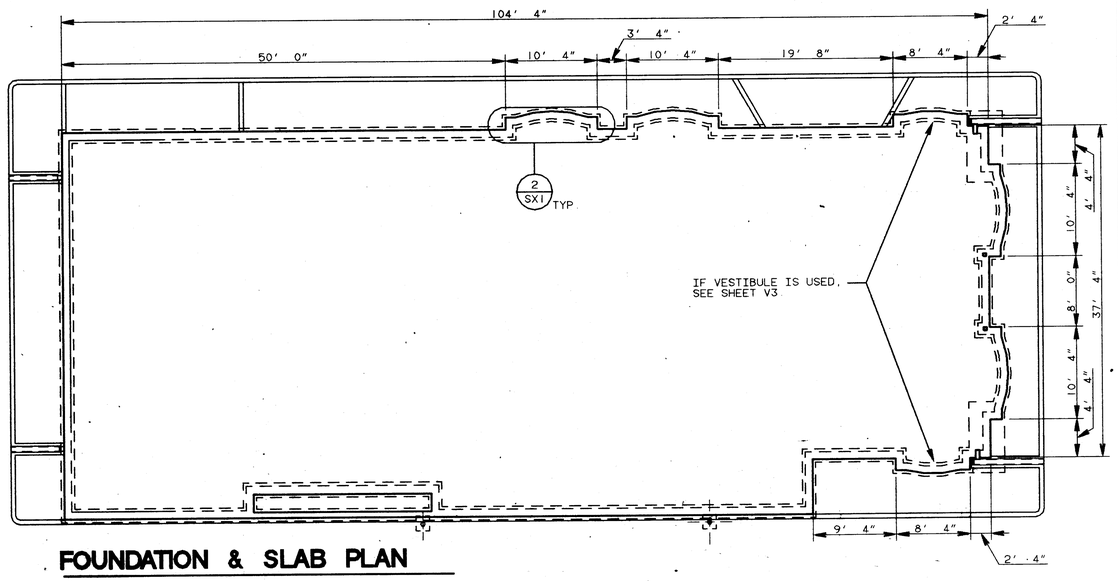
SCALE: 1/8"=1'-0"

COLOR SCHEMES	MATERIALS	SCHEME A	SCHEME B	SCHEME C	REMARKS:
	ROOF SHINGLES	MANVILLE CO RUSTIC BROWN	MANVILLE CO SHAKEWOOD BLEND	WOOD SHAKES OLYMPIC SEMI-TRANSPARENT STAIN # 911	
	ROOF BEAMS FASCIA BOARD, FRIEZE BOARD, TRIM BRACKETS	OLYMPIC OVERCOAT BUCKSKIN	OLYMPIC OVERCOAT OUTSIDE WHITE	OLYMPIC OVERCOAT CAPE COD GREY	
	WOOD WINDOWS MUNTINS ALUMINUM DOORS ALUMINUM FRAMING	WHITE	WHITE	WHITE	
	FEILD BRICK	GLEN-GERY HANLEY M21-22	GLEN-GERY HANLEY W20	GLEN-GERY HANLEY S72	
	NOTE BRICK MANUFACTURER SHALL BE GLEN-GERY OR EQUAL.				
	GLEN-GERY CORPORATION P O BOX 1542 READING, PA 19603 (215) 374-4011				



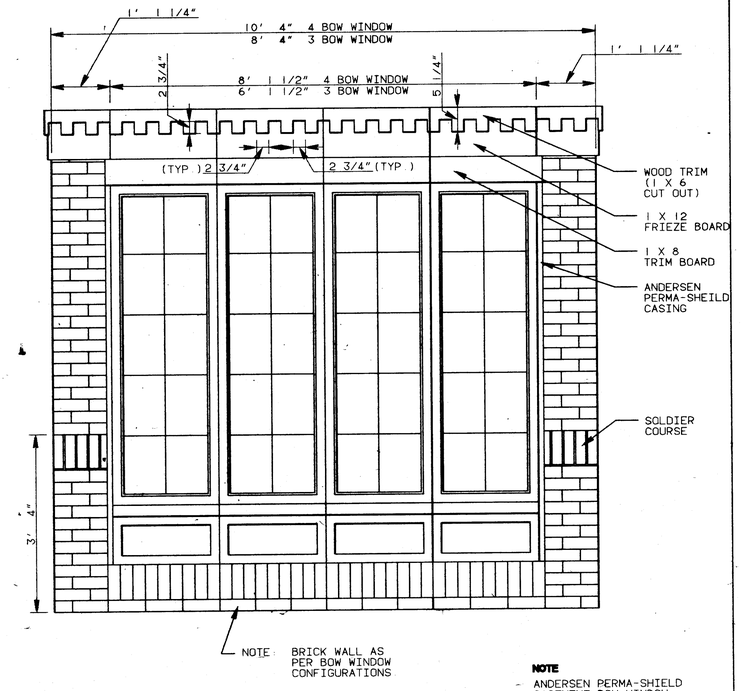
BOW FOUNDATION PLAN DETAIL

SCALE: 3/4"=1'-0" (2 / SX1)



FOUNDATION & SLAB PLAN

SCALE: 1/8"=1'-0"


1' 1 1/4"
10' 4" 4 BOW WINDOW
8' 4" 3 BOW WINDOW
8' 1 1/2" 4 BOW WINDOW
6' 1 1/2" 3 BOW WINDOW
2 3/4"
5 1/4"
1' 1 1/4"
(TYP.) 2 3/4"
2 3/4" (TYP.)
WOOD TRIM (1 X 6 CUT OUT)
1 X 12 FRIEZE BOARD
1 X 8 TRIM BOARD
ANDERSEN PERMA-SHEILD CASING
SOLDIER COURSE
3' 4"
NOTE: BRICK WALL AS PER BOW WINDOW CONFIGURATIONS

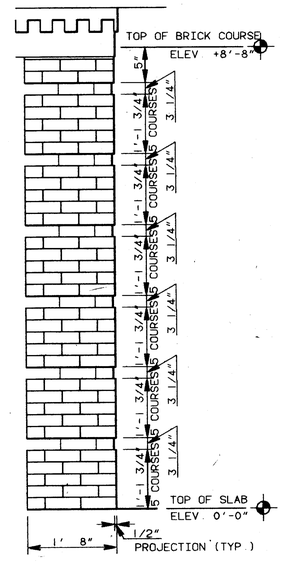
BOW WINDOW ELEVATION DETAIL

SCALE: 3/4"=1'-0" (4 / SX1)

NOTE

ANDERSEN PERMA-SHIELD CASEMENT BOW WINDOW
MODEL: C-46 BOW-W (4 BOW)
C-36 BOW-W (3 BOW)

MUNTINS WILL BE FURNISHED BY SUPPLIER.



TYPICAL QUION DETAIL

SCALE: 3/4"=1'-0" (7 / A04)

REV	DATE	DESCRIPTION	BY	ISSUE REF
VIEW CONVENTION		SCALE	UNITS OF MEASURE	INCH

REGISTERED ARCHITECT — RICHARD CARTER ALLEN — No. 4496 — HOOVER, ALA. — STATE OF ALABAMA

McDonald's®

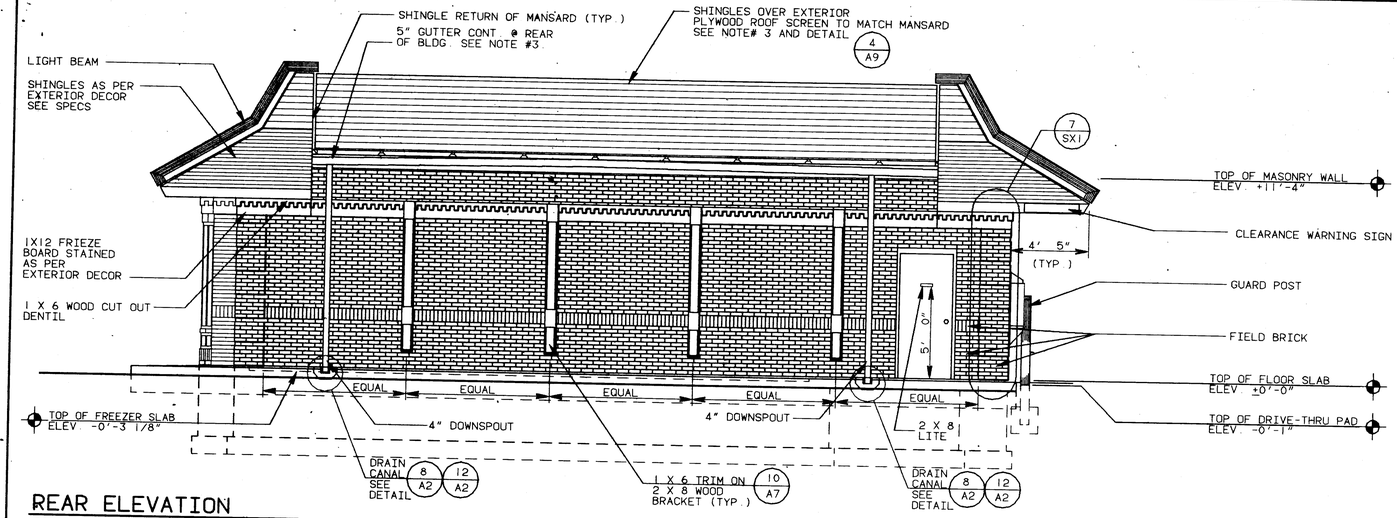
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE 37-104/89 COLONIAL	CHECKED BY MAR	DATE CHECKED 30AUG89	LOCAL ADDRESS
MATERIAL / DESCRIPTION	APPROVED BY GLB	DATE APPROVED 30AUG89	
DRAWN BY MS	ISSUE REF -	DATE ISSUED 30AUG89	
DATE DRAWN 01JUN89			
DRAWING ID 9XMCO-3704			

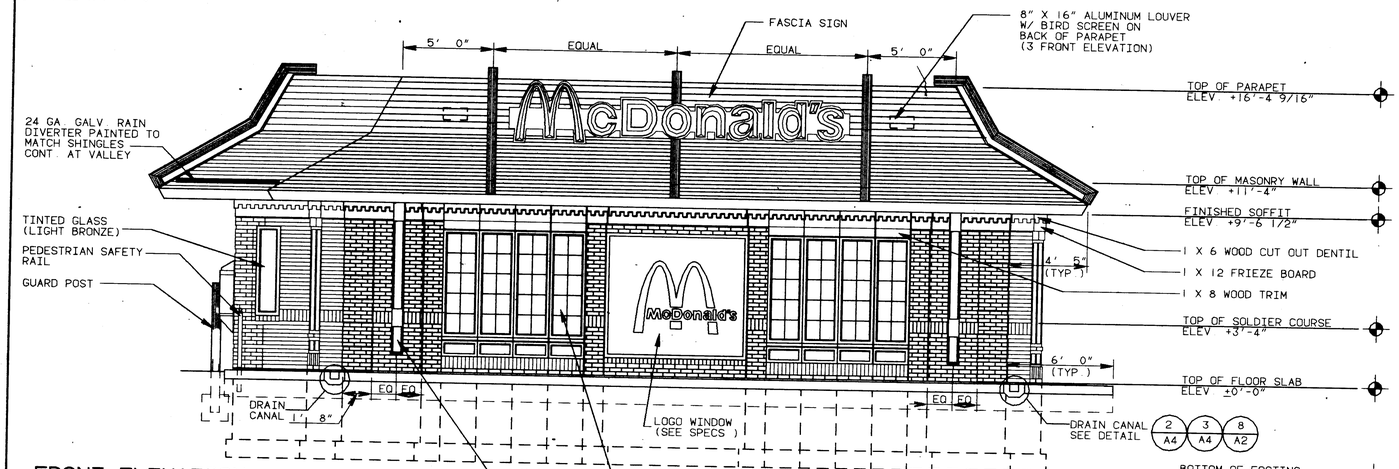
SHEET NO SX1 COLONIAL

MD3104 (01FEB89)


SHINGLE RETURN OF MANSARD (TYP.)
5" GUTTER CONT. @ REAR OF BLDG. SEE NOTE #3.
SHINGLES OVER EXTERIOR PLYWOOD ROOF SCREEN TO MATCH MANSARD SEE NOTE# 3 AND DETAIL 4/A9
LIGHT BEAM
SHINGLES AS PER EXTERIOR DECOR SEE SPECS
1X12 FRIEZE BOARD STAINED AS PER EXTERIOR DECOR
1 X 6 WOOD CUT OUT DENTIL
7/SX1
TOP OF MASONRY WALL ELEV. +11'-4"
CLEARANCE WARNING SIGN
4' 5" (TYP.)
GUARD POST
FIELD BRICK
5' 0"
TOP OF FLOOR SLAB ELEV. ±0'-0"
TOP OF DRIVE-THRU PAD ELEV. -0'-1"
EQUAL
TOP OF FREEZER SLAB ELEV. -0'-3 1/8"
4" DOWNSPOUT
2 X 8 LITE
DRAIN CANAL SEE DETAIL 8/A2 12/A2
1 X 6 TRIM ON 2 X 8 WOOD BRACKET (TYP.) 10/A7

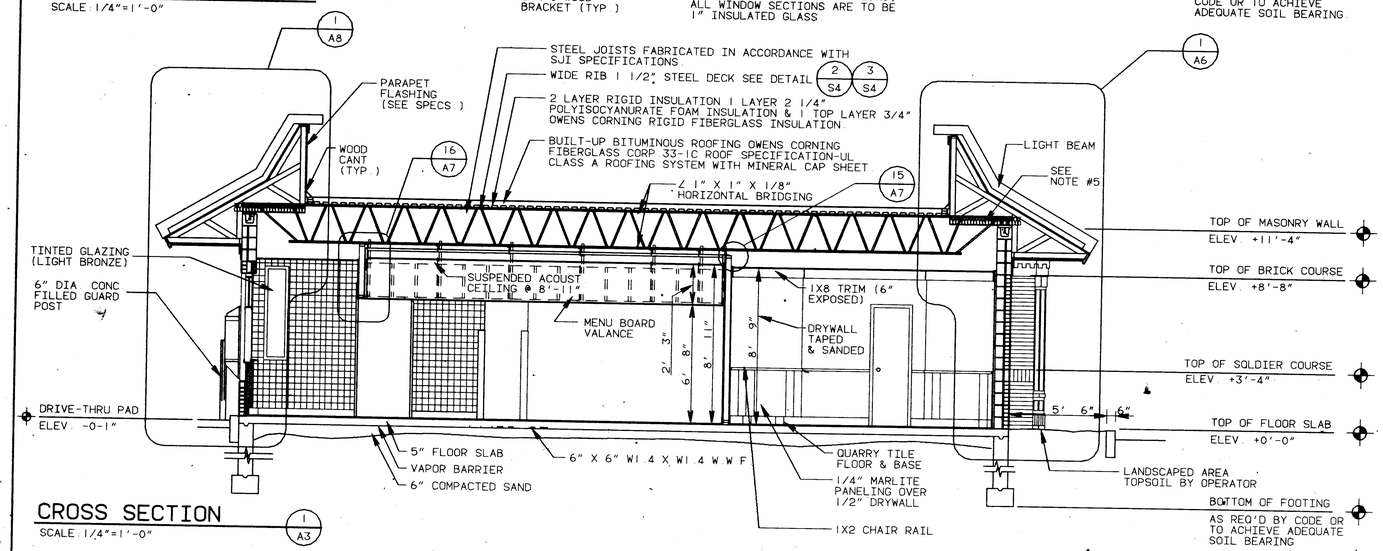
REAR ELEVATION

SCALE: 1/4"=1'-0"


FASCIA SIGN
8" X 16" ALUMINUM LOUVER W/ BIRD SCREEN ON BACK OF PARAPET (3 FRONT ELEVATION)
5' 0"
EQUAL
TOP OF PARAPET ELEV. +16'-4 9/16"
24 GA. GALV. RAIN DIVERTER PAINTED TO MATCH SHINGLES CONT. AT VALLEY
TOP OF MASONRY WALL ELEV. +11'-4"
FINISHED SOFFIT ELEV. +9'-6 1/2"
TINTED GLASS (LIGHT BRONZE)
PEDESTRIAN SAFETY RAIL
GUARD POST
1 X 6 WOOD CUT OUT DENTIL
1 X 12 FRIEZE BOARD
1 X 8 WOOD TRIM
4' 5" (TYP.)
TOP OF SOLDIER COURSE ELEV. +3'-4"
6' 0" (TYP.)
TOP OF FLOOR SLAB ELEV. ±0'-0"
EQ
DRAIN CANAL 1' 8"
LOGO WINDOW (SEE SPECS.)
DRAIN CANAL SEE DETAIL 2/A4 3/A4 8/A2
1 X 6 TRIM ON 2 X 8 WOOD BRACKET (TYP.)
ON FRONT AND SIDE ELEVATIONS, ALL WINDOW SECTIONS ARE TO BE 1" INSULATED GLASS
BOTTOM OF FOOTING ELEV. AS REQUIRED BY CODE OR TO ACHIEVE ADEQUATE SOIL BEARING

FRONT ELEVATION

SCALE: 1/4"=1'-0"

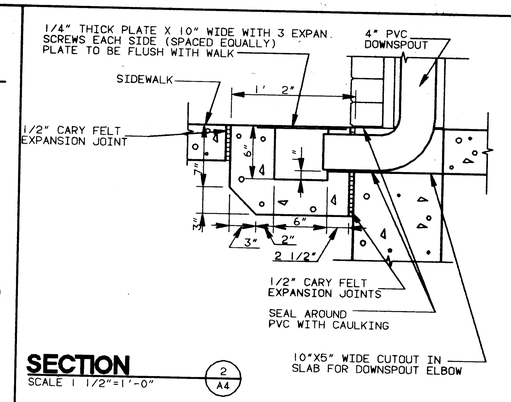

1/A8
1/A6
STEEL JOISTS FABRICATED IN ACCORDANCE WITH SJI SPECIFICATIONS
PARAPET FLASHING (SEE SPECS.)
WIDE RIB 1 1/2" STEEL DECK SEE DETAIL 2/S4 3/S4
2 LAYER RIGID INSULATION 1 LAYER 2 1/4" POLYISOCYANURATE FOAM INSULATION & 1 TOP LAYER 3/4" OWENS CORNING RIGID FIBERGLASS INSULATION
WOOD CANT (TYP.) 16/A7
BUILT-UP BITUMINOUS ROOFING OWENS CORNING FIBERGLASS CORP. 33-IC ROOF SPECIFICATION-UL CLASS A ROOFING SYSTEM WITH MINERAL CAP SHEET
2 1" X 1" X 1/8" HORIZONTAL BRIDGING 15/A7
LIGHT BEAM
SEE NOTE #5
TOP OF MASONRY WALL ELEV. +11'-4"
TINTED GLAZING (LIGHT BRONZE)
6" DIA. CONC. FILLED GUARD POST
SUSPENDED ACOUST. CEILING @ 8'-11"
MENU BOARD VALANCE
1X8 TRIM (6" EXPOSED)
DRYWALL TAPED & SANDED
TOP OF BRICK COURSE ELEV. +8'-8"
TOP OF SOLDIER COURSE ELEV. +3'-4"
5' 6"
6"
TOP OF FLOOR SLAB ELEV. +0'-0"
DRIVE-THRU PAD ELEV. -0-1"
5" FLOOR SLAB
VAPOR BARRIER
6" COMPACTED SAND
6" X 6" W1.4 X W1.4 W.W.F.
QUARRY TILE FLOOR & BASE
1/4" MARLITE PANELING OVER 1/2" DRYWALL
LANDSCAPED AREA TOPSOIL BY OPERATOR
1X2 CHAIR RAIL
BOTTOM OF FOOTING AS REQ'D BY CODE OR TO ACHIEVE ADEQUATE SOIL BEARING

CROSS SECTION

SCALE: 1/4"=1'-0" 1/A3

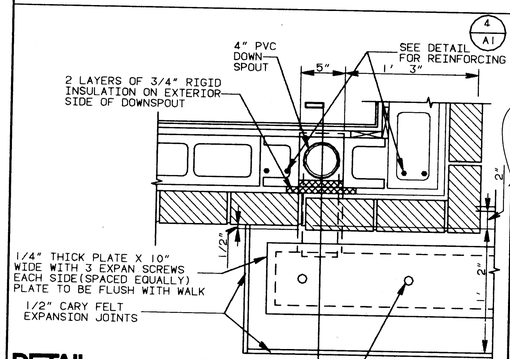
NOTES:

1. COLOR SCHEME FOR EXTERIOR TO BE CHOSEN BY MCDONALD'S CONSTRUCTION ENGINEER SEE CHART ON SHEET SX1 FOR BRICK, SHINGLE AND TRIM COLOR SELECTIONS.
2. FINISH COLOR TO COORDINATE WITH ROOF SHINGLES SEE COLOR SCHEME CHART ON SHEET SX1
3. FINISH COLOR TO MATCH TRIM. SEE COLOR SCHEME ON SHEET SX1.
4. ALL WOOD IN CONTACT W/ CONC. SLAB OR FOUNDATION WALLS AND ALL WOOD ON ROOF DECK TO BE PRESSURE TREATED TO RESIST WATER & INSECT DAMAGE.
5. 6" FIBERGLASS INSULATION MECHANICALLY SECURED TO NAILERS FASTENED TO THE OUTRIGGERS. SEE DETAILS 1/A6 1/A7
6. SOFFIT SHOULD BE PAINTED WHITE OR LIGHT COORDINATED COLOR.
7. INSTALL METAL ROOF DECK AND ALL STRUCTURAL STEEL PRIOR TO INSTALLING MANSARDS.
8. COLLAR JOINTS AFTER EACH COURSE IS LAID. FILL VERTICAL LONGITUDINAL JOINT BETWEEN WYTHES SOLIDLY WITH MORTAR FOR ALL EXTERIOR MASONRY WALLS.
9. ALL WALLS TO BE BRACED DURING CONSTRUCTION PER MASONRY INSTITUTE RECOMMENDATIONS.


1/4" THICK PLATE X 10" WIDE WITH 3 EXPAN. SCREWS EACH SIDE (SPACED EQUALLY) PLATE TO BE FLUSH WITH WALK
4" PVC DOWNSPOUT
SIDEWALK
1' 2"
1/2" CARY FELT EXPANSION JOINT
6"
7"
3"
2"
2 1/2"
1/2" CARY FELT EXPANSION JOINTS
SEAL AROUND PVC WITH CAULKING
10"X5" WIDE CUTOUT IN SLAB FOR DOWNSPOUT ELBOW

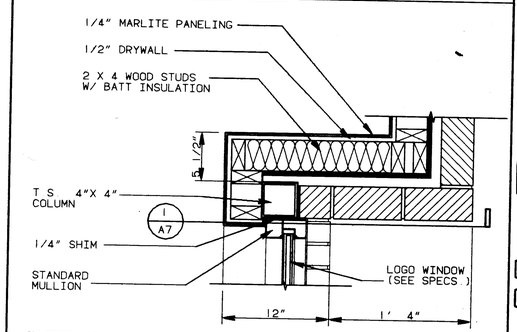
SECTION

SCALE 1 1/2"=1'-0" 2/A4


4/A1
4" PVC DOWN SPOUT
SEE DETAIL FOR REINFORCING
5"
1' 3"
2 LAYERS OF 3/4" RIGID INSULATION ON EXTERIOR SIDE OF DOWNSPOUT
2"
1/2"
1/4" THICK PLATE X 10" WIDE WITH 3 EXPAN SCREWS EACH SIDE(SPACED EQUALLY) PLATE TO BE FLUSH WITH WALK
1/2" CARY FELT EXPANSION JOINTS
1" DIA. HOLES DRILLED IN CENTER OF PLATE @ 12" O.C.

DETAIL

SCALE 1 1/2"=1'-0" 3/A1 3/A4 2/A4



DETAIL

SCALE 1 1/2"=1'-0" 5/A3 5/SX1

REV	DATE	DESCRIPTION	BY

ISSUE REF. | INCH | UNITS OF MEASURE | SCALE | VIEW CONVENTION

REGISTERED ARCHITECT — 1000 FOREST ROAD — NO. 4496 — MCDONNELL MARK — COMMONWEALTH OF MASSACHUSETTS

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE 37-104/89 COLONIAL

DRAWN JRS | MATERIAL / DESCRIPTION

DATE DRAWN 01JUN89

DRAWING ID 9XMCO-3704

CHECKED BY MARK — DATE CHECKED 30AUG89

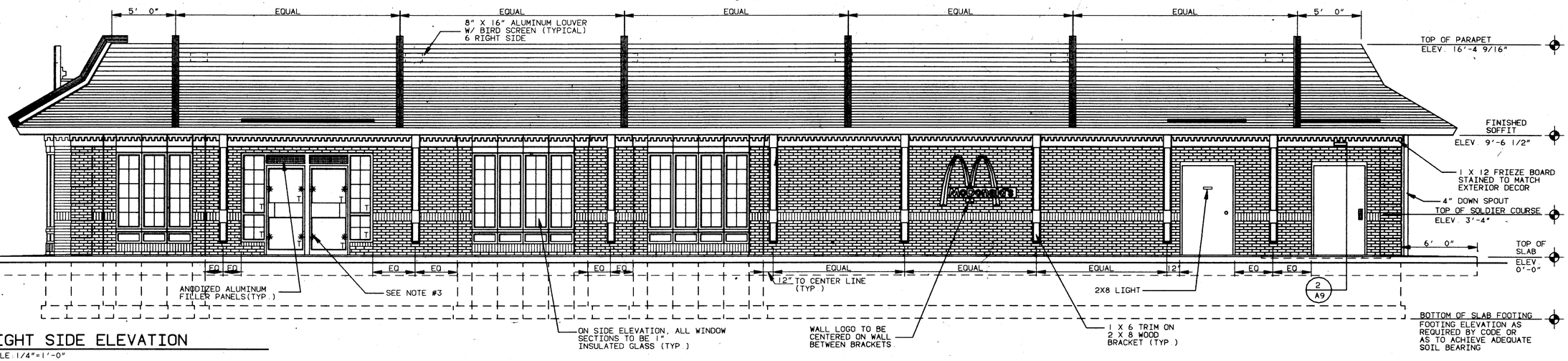
APPROVED BY CLB — DATE APPROVED 30AUG89

ISSUE REF — DATE ISSUED 30AUG89

SHEET NO. A04

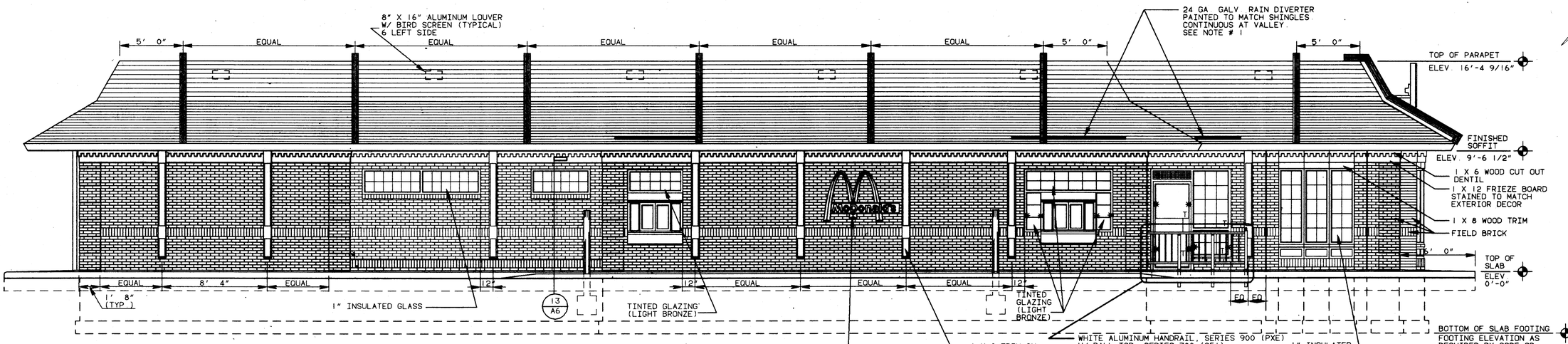
COLONIAL

MCD144 (01FEB89)


5' 0"
EQUAL
8" X 16" ALUMINUM LOUVER W/ BIRD SCREEN (TYPICAL) 6 RIGHT SIDE
TOP OF PARAPET ELEV. 16'-4 9/16"
FINISHED SOFFIT ELEV. 9'-6 1/2"
1 X 12 FRIEZE BOARD STAINED TO MATCH EXTERIOR DECOR
4" DOWN SPOUT
TOP OF SOLDIER COURSE ELEV. 3'-4"
6' 0"
TOP OF SLAB ELEV. 0'-0"
EQ
12" TO CENTER LINE (TYP.)
2X8 LIGHT
2 A9
ANODIZED ALUMINUM FILLER PANELS(TYP.)
SEE NOTE #3
ON SIDE ELEVATION, ALL WINDOW SECTIONS TO BE 1" INSULATED GLASS (TYP.)
WALL LOGO TO BE CENTERED ON WALL BETWEEN BRACKETS
1 X 6 TRIM ON 2 X 8 WOOD BRACKET (TYP.)
BOTTOM OF SLAB FOOTING
FOOTING ELEVATION AS REQUIRED BY CODE OR AS TO ACHIEVE ADEQUATE SOIL BEARING

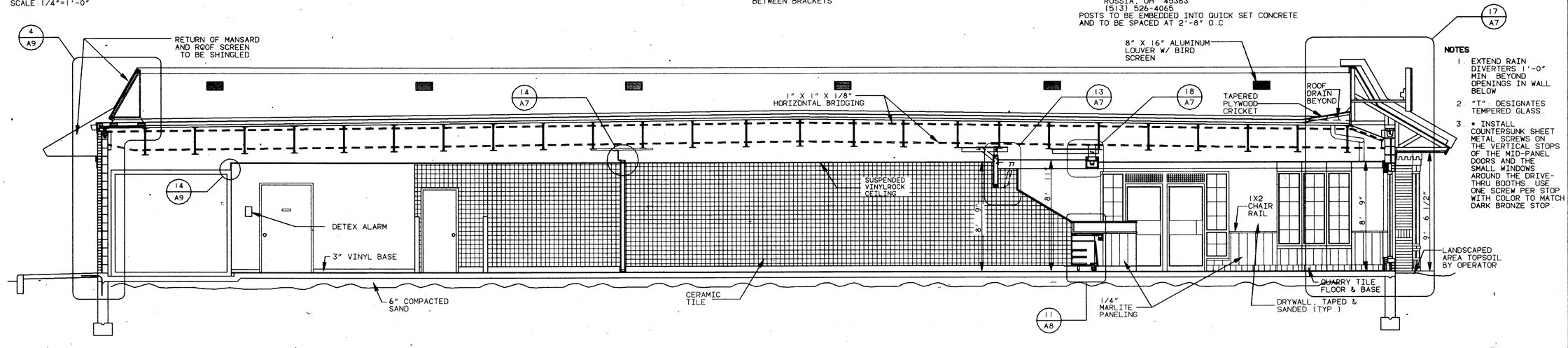
RIGHT SIDE ELEVATION

SCALE: 1/4"=1'-0"


8" X 16" ALUMINUM LOUVER W/ BIRD SCREEN (TYPICAL) 6 LEFT SIDE
24 GA. GALV. RAIN DIVERTER PAINTED TO MATCH SHINGLES CONTINUOUS AT VALLEY SEE NOTE # 1
5' 0"
EQUAL
8' 4"
12"
TOP OF PARAPET ELEV. 16'-4 9/16"
FINISHED SOFFIT ELEV. 9'-6 1/2"
1 X 6 WOOD CUT OUT DENTIL
1 X 12 FRIEZE BOARD STAINED TO MATCH EXTERIOR DECOR
1 X 8 WOOD TRIM
FIELD BRICK
TOP OF SLAB ELEV. 0'-0"
EQ
1' 8" (TYP.)
1" INSULATED GLASS
13 A6
TINTED GLAZING (LIGHT BRONZE)
WALL LOGO TO BE CENTERED ON WALL BETWEEN BRACKETS
1 X 6 TRIM ON 2 X 8 WOOD BRACKET (TYP.)
WHITE ALUMINUM HANDRAIL, SERIES 900 (PXE) W/ BALL TOP, SERIES 700 (951) MANUFACTURED BY SUPERIOR ALUMINUM PRODUCTS, INC P.O. BOX 430, 105 FRANCIS STREET RUSSIA, OH 45363 (513) 526-4065
POSTS TO BE EMBEDDED INTO QUICK SET CONCRETE AND TO BE SPACED AT 2'-8" O.C.
1" INSULATED GLASS
BOTTOM OF SLAB FOOTING
FOOTING ELEVATION AS REQUIRED BY CODE OR AS TO ACHIEVE ADEQUATE SOIL BEARING

LEFT SIDE ELEVATION

SCALE: 1/4"=1'-0"


4 A9
RETURN OF MANSARD AND ROOF SCREEN TO BE SHINGLED
14 A7
1" X 1" X 1/8" HORIZONTAL BRIDGING
13 A7
18 A7
17 A7
8" X 16" ALUMINUM LOUVER W/ BIRD SCREEN
TAPERED PLYWOOD CRICKET
ROOF DRAIN BEYOND
NOTES
1. EXTEND RAIN DIVERTERS 1'-0" MIN. BEYOND OPENINGS IN WALL BELOW
2. "T" DESIGNATES TEMPERED GLASS.
3. ▪ INSTALL COUNTERSUNK SHEET METAL SCREWS ON THE VERTICAL STOPS OF THE MID-PANEL DOORS AND THE SMALL WINDOWS AROUND THE DRIVE-THRU BOOTHS. USE ONE SCREW PER STOP WITH COLOR TO MATCH DARK BRONZE STOP.
14 A9
DETEX ALARM
3" VINYL BASE
SUSPENDED VINYLROCK X CEILING
1X2 CHAIR RAIL
LANDSCAPED AREA TOPSOIL BY OPERATOR
6" COMPACTED SAND
CERAMIC TILE
11 A8
1/4" MARLITE PANELING
QUARRY TILE FLOOR & BASE
DRYWALL, TAPED & SANDED (TYP.)

LONGITUDINAL CROSS SECTION

SCALE: 1/4"=1'-0"

1 A3

REV	DATE	DESCRIPTION	BY
		VIEW CONVENTION	
		SCALE	
		UNITS OF MEASURE	INCH
		ISSUE REF	

REGISTERED ARCHITECT STATE OF WASHINGTON NO. 4496 ANDOVER, MASS.

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

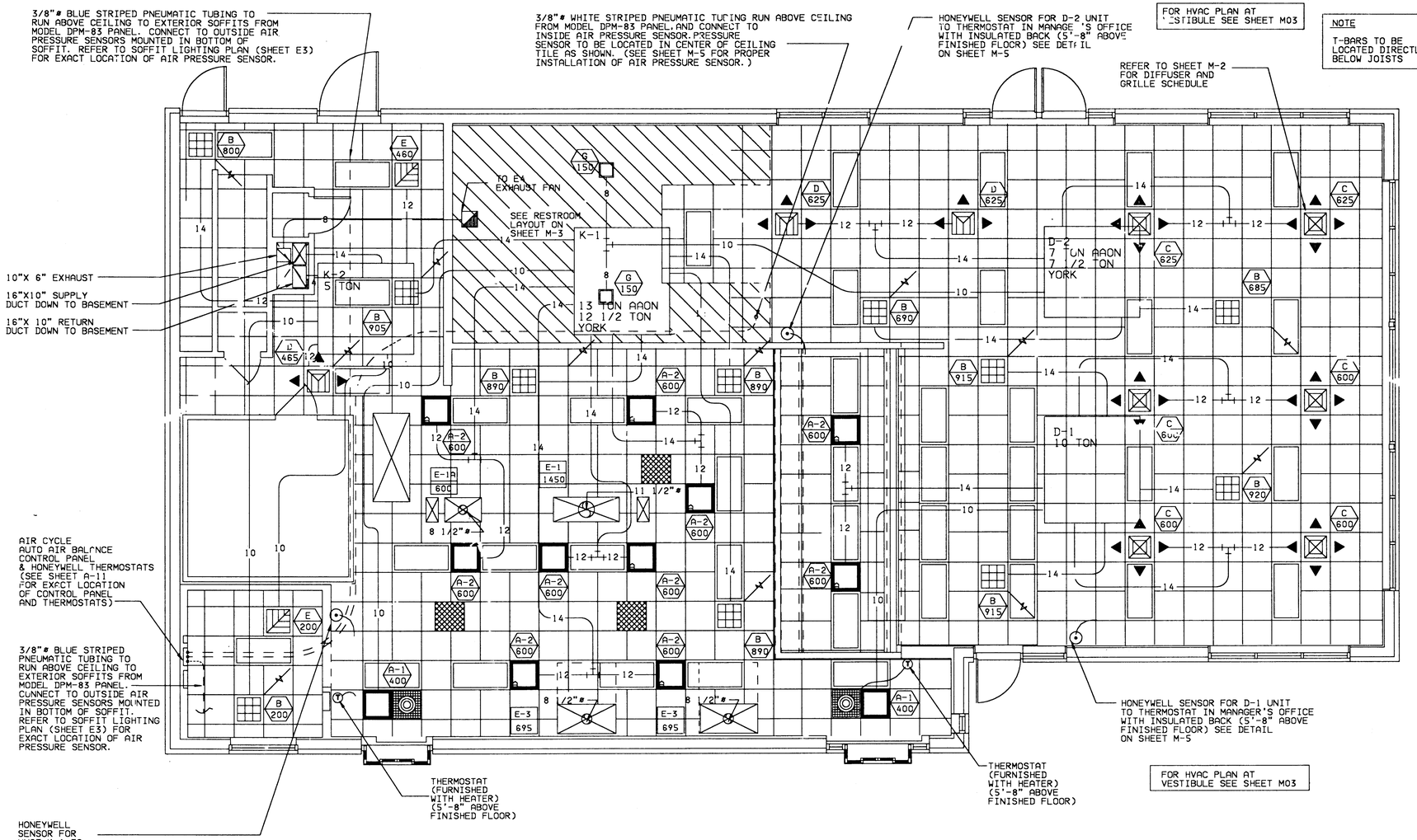
TITLE: 37-104/89 COLONIAL

DRAWN BY	MATERIAL / DESCRIPTION	CHECKED BY	DATE CHECKED
			30AUG89
DATE DRAWN 01JUN89		APPROVED BY GLB	DATE APPROVED 30AUG89
DRAWING ID 9XMCO-3704		ISSUE REF -	DATE ISSUED 30AUG89

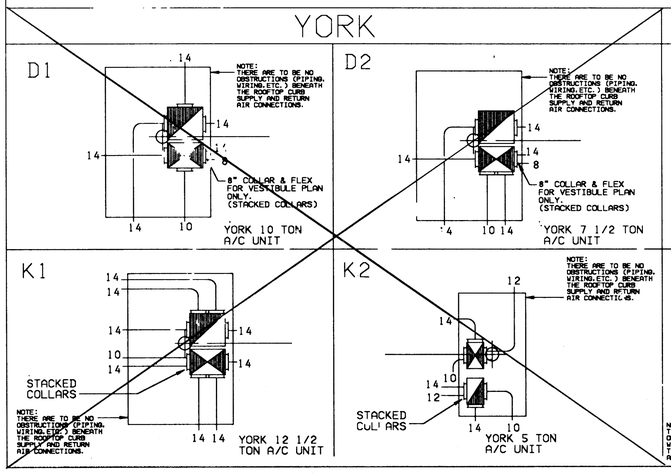
LOCAL ADDRESS

SHEET NO: A05
COLONIAL

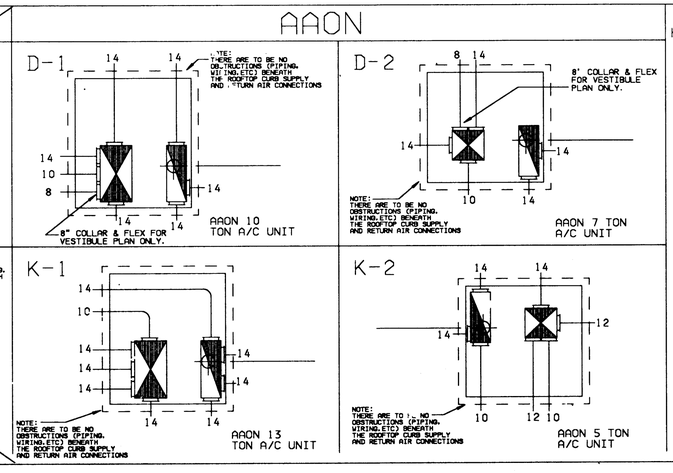
M3104 (01FEB89)


3/8"ø BLUE STRIPED PNEUMATIC TUBING TO RUN ABOVE CEILING TO EXTERIOR SOFFITS FROM MODEL DPM-83 PANEL. CONNECT TO OUTSIDE AIR PRESSURE SENSORS MOUNTED IN BOTTOM OF SOFFIT. REFER TO SOFFIT LIGHTING PLAN (SHEET E3) FOR EXACT LOCATION OF AIR PRESSURE SENSOR.
3/8"ø WHITE STRIPED PNEUMATIC TUBING RUN ABOVE CEILING FROM MODEL DPM-83 PANEL, AND CONNECT TO INSIDE AIR PRESSURE SENSOR. PRESSURE SENSOR TO BE LOCATED IN CENTER OF CEILING TILE AS SHOWN. (SEE SHEET M-5 FOR PROPER INSTALLATION OF AIR PRESSURE SENSOR.)
HONEYWELL SENSOR FOR D-2 UNIT TO THERMOSTAT IN MANAGER'S OFFICE WITH INSULATED BACK (5'-8" ABOVE FINISHED FLOOR) SEE DETAIL ON SHEET M-5
FOR HVAC PLAN AT VESTIBULE SEE SHEET M03
NOTE
T-BARS TO BE LOCATED DIRECTLY BELOW JOISTS
REFER TO SHEET M-2 FOR DIFFUSER AND GRILLE SCHEDULE
10"X 6" EXHAUST
16"X10" SUPPLY DUCT DOWN TO BASEMENT
16"X 10" RETURN DUCT DOWN TO BASEMENT
TO E4 EXHAUST FAN
SEE RESTROOM LAYOUT ON SHEET M-3
K-1
13 TON AAON
12 1/2 TON
YORK
K-2
5 TON
D-2
7 TON AAON
7 1/2 TON
YORK
D-1
10 TON
AIR CYCLE AUTO AIR BALANCE CONTROL PANEL & HONEYWELL THERMOSTATS (SEE SHEET A-11 FOR EXCT LOCATION OF CONTROL PANEL AND THERMOSTATS)
3/8"ø BLUE STRIPED PNEUMATIC TUBING TO RUN ABOVE CEILING TO EXTERIOR SOFFITS FROM MODEL DPM-83 PANEL. CONNECT TO OUTSIDE AIR PRESSURE SENSORS MOUNTED IN BOTTOM OF SOFFIT. REFER TO SOFFIT LIGHTING PLAN (SHEET E3) FOR EXACT LOCATION OF AIR PRESSURE SENSOR.
HONEYWELL SENSOR FOR UNIT K-1 TO THERMOSTAT IN MANAGER'S OFFICE W/INSULATED BACK. (5'-8" ABOVE FINISHED FLOOR) SEE DETAIL ON SHEET M-5
THERMOSTAT (FURNISHED WITH HEATER) (5'-8" ABOVE FINISHED FLOOR)
THERMOSTAT (FURNISHED WITH HEATER) (5'-8" ABOVE FINISHED FLOOR)
HONEYWELL SENSOR FOR D-1 UNIT TO THERMOSTAT IN MANAGER'S OFFICE WITH INSULATED BACK (5'-8" ABOVE FINISHED FLOOR) SEE DETAIL ON SHEET M-5
FOR HVAC PLAN AT VESTIBULE SEE SHEET M03

YORK


D1
NOTE: THERE ARE TO BE NO OBSTRUCTIONS (PIPING, WIRING, ETC.) BENEATH THE ROOFTOP CURB SUPPLY AND RETURN AIR CONNECTIONS.
8" COLLAR & FLEX FOR VESTIBULE PLAN ONLY. (STACKED COLLARS)
YORK 10 TON A/C UNIT
D2
NOTE: THERE ARE TO BE NO OBSTRUCTIONS (PIPING, WIRING, ETC.) BENEATH THE ROOFTOP CURB SUPPLY AND RETURN AIR CONNECTIONS.
8" COLLAR & FLEX FOR VESTIBULE PLAN ONLY. (STACKED COLLARS)
YORK 7 1/2 TON A/C UNIT
K1
STACKED COLLARS
NOTE: THERE ARE TO BE NO OBSTRUCTIONS (PIPING, WIRING, ETC.) BENEATH THE ROOFTOP CURB SUPPLY AND RETURN AIR CONNECTIONS.
YORK 12 1/2 TON A/C UNIT
K2
STACKED COLLARS
NOTE: THERE ARE TO BE NO OBSTRUCTIONS (PIPING, WIRING, ETC.) BENEATH THE ROOFTOP CURB SUPPLY AND RETURN AIR CONNECTIONS.
YORK 5 TON A/C UNIT

AAON


D-1
NOTE: THERE ARE TO BE NO OBSTRUCTIONS (PIPING, WIRING, ETC.) BENEATH THE ROOFTOP CURB SUPPLY AND RETURN AIR CONNECTIONS
8" COLLAR & FLEX FOR VESTIBULE PLAN ONLY.
AAON 10 TON A/C UNIT
D-2
8" COLLAR & FLEX FOR VESTIBULE PLAN ONLY.
NOTE: THERE ARE TO BE NO OBSTRUCTIONS (PIPING, WIRING, ETC) BENEATH THE ROOFTOP CURB SUPPLY AND RETURN AIR CONNECTIONS
AAON 7 TON A/C UNIT
K-1
NOTE: THERE ARE TO BE NO OBSTRUCTIONS (PIPING, WIRING, ETC) BENEATH THE ROOFTOP CURB SUPPLY AND RETURN AIR CONNECTIONS
AAON 13 TON A/C UNIT
K-2
NOTE: THERE ARE TO BE NO OBSTRUCTIONS (PIPING, WIRING, ETC) BENEATH THE ROOFTOP CURB SUPPLY AND RETURN AIR CONNECTIONS
AAON 5 TON A/C UNIT

HVAC PACKAGE AVAILABLE FROM

AIR DISTRIBUTION ASSOC., INC.
955 LIVELY BLVD.
WOOD DALE, ILLINOIS 60191
PHONE: (312) 860-6800
ALL REGIONS EXCEPT THOSE NOTED AS SERVED BY HOFFMANN, PREMIUM AIR, NATIONAL AIR & STEPHENSON)

NATIONAL AIR SYSTEMS, INC.
1842 FLOWER ST.
GLENDALE, CALIFORNIA 91201
PHONE: (213) 245-6611
(LOS ANGELES, SAN DIEGO, PHOENIX SAN JOSE, SEATTLE, AND DENVER)

STEPHENSON ASSOCIATES
540 KENTUCKY ST.
SCOTTDALE, GEORGIA 30071
PHONE: (404) 294-1722
(ATLANTA, GREENVILLE, RALEIGH, NORFOLK, TAMPA, AND FT. LAUDERDALE)

E. W. HOFFMANN, INC.
635 OLD WILLETS PATH
HAUPPAUGE, NEW YORK 11788
(516) 234-4448
(BLOOMFIELD, HARTFORD, BOSTON AND NEW YORK)

PREMIUM AIR SYSTEMS
1051 NAUGHTON
TROY, MICHIGAN 48083
(313) 680-8800
(DETROIT, MINNEAPOLIS AND CLEVELAND)

1. INSIDE AIR PRESSURE SENSOR TO BE A MINIMUM OF 4'-0" AWAY FROM SUPPLY DIFFUSERS, RETURN AIR GRILLES AND EDGE OF CEILING FAN BLADES (IF PRESENT).
2. SENSOR AND PNEUMATIC TUBING TO BE INSTALLED BY THE ELECTRICAL CONTRACTOR.
3. INSTALLING CONTRACTOR TO INSTALL NYLON WEB OR METAL STRAP HANGERS WHERE FLEXIBLE DUCTWORK PASSES THROUGH JOIST OR TRUSS. SEE DETAIL ON SHEET M-5.
4. ALL SENSOR TUBING SHALL BE RUN TO UNDERSIDE OF ROOF DECK TO ELIMINATE CONFLICTS WITH OTHER TRADES. ALL TUBING MUST BE RUN IN A STRAIGHT LINE WITH LONG RADIUS BENDS. IRREGULAR BENDS OR CRIMPS IN THE TUBING WILL AFFECT THE PROPER OPERATION OF THE AUTOMATIC AIR BALANCE SYSTEM.
5. ELECTRICAL CONTRACTOR TO COMPLETELY STUFF J-BOXES FOR WALL MOUNTED TEMPERATURE SENSORS WITH SCRAP PIECES OF FIBERGLASS INSULATION. ALL TEMPERATURE SENSORS MUST BE MOUNTED ON THE WOOD BASE WHICH HAS BEEN PROVIDED IN THE HVAC PACKAGE. SEE SHEET M-5 FOR SENSOR MOUNTING DETAILS.
6. THE HVAC PACKAGE INCLUDES THE FOLLOWING:
   A. 4- AIR CONDITIONING UNITS WITH 18 GAUGE STEEL CURBS, 12" HIGH
   B. 5- EXHAUST FAN STEEL CURBS, ALL 12" HIGH
   C. AUTOMATIC AIR BALANCE SYSTEM PANEL, HONEYWELL WALL THERMOSTATS, SENSORS, WHITE AND BLUE STRIPED PNEUMATIC TUBING AND ALL LOW VOLTAGE CONTROL CABLE AS SHOWN ON SHEET E6.
   D. 2- MARKEL CEILING HEATERS (FURNISHED BY MCDONALD'S)
   E. AIR CONDITIONING DUCTWORK (FLEXIBLE DUCTWORK AND SHEET METAL PLENUMS)
   F. ALL ACCESSORIES AS NOTED, DRAWBANDS, STARTING COLLARS, NYLON WEB HANGERS, ETC
   G. DIFFUSERS & GRILLES AS SHOWN
7. THE GENERAL CONTRACTOR IS TO PROVIDE THE FOLLOWING:
   A. ROOF OPENINGS AS INDICATED
   B. SET LEVEL & SECURE A/C AND EXHAUST FAN STEEL CURBS
   C. DOOR GRILLES
   D. FRAME IN DIFFUSERS
8. ELECTRICAL CONTRACTOR SHALL INSTALL AUTOMATIC AIR BALANCE SYSTEM PANEL. INSTALL ALL LOW VOLTAGE WIRING, AND FURNISH & INSTALL ALL LINE VOLTAGE WIRING, INCLUDING FINAL CONNECTIONS AND INSTALL ALL PROGRAMMABLE STATS & REMOTE TEMPERATURE SENSORS
9. WHEN WIRING FOR PROGRAMMABLE THERMOSTATS AND REMOTE SENSORS IS NOT IN A CONDUIT, THE WIRING SHALL BE RUN TO THE UNDERSIDE OF THE ROOF DECK. NONE OF THE WIRING SHOULD BE ROUTED OVER FLUORESCENT BALLAST, POWER BOXES OR IN A CONDUIT WITH LINE VOLTAGE WIRING AS "ELECTRIC" INTERFERENCE (NOISE) WILL CAUSE ERRATIC CONTROL OPERATION.
10. PLUMBING CONTRACTOR SHALL INSTALL CONDENSATE DRAIN AND FURNISH & INSTALL ALL GAS PIPING INCLUDING FINAL CONNECTIONS. GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE & BANDED MALLEABLE IRON FITTINGS.
11. DO NOT PRESSURE CHECK GAS LINES WHEN HOOKED UP TO UNITS (EXCESSIVE PRESSURE WILL DAMAGE GAS VALVES).

REV	DATE	DESCRIPTION	BY	ISSUE REF
1	01FEB90	CODE UPDATE & STRUCTURAL CHANGES	JJC	-'-
	01FEB90	VIEW CONVENTION	SCALE	UNITS OF MEASURE INCH

REGISTERED ARCHITECT — JAMES J. CONNOLLY — NO. 4496 — WINSOR, MASS. — COMMONWEALTH OF MASSACHUSETTS

McDonald's®
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE 37-84/89 BASEMENT

DRAWN BY RLF	MATERIAL / DESCRIPTION STANDARD TEMPERATURE	CHECKED BY MAR	DATE CHECKED 30AUG89
DATE DRAWN 01AUG89		APPROVED BY	DATE APPROVED 30AUG89
DRAWING ID 9BM -37848S		ISSUE REF -'-	DATE ISSUED 01SEP89

SHEET NO. M01
STANDARD TEMP.

M2D104 (01FEB89)

AAON

HEAT SCHEDULE

DESIGN TEMP	GAS MBH INPUT				GAS MBH OUTPUT				ELECTRIC KW (208 VOLT)			
	13 TON	10 TON	8 TON	5 TON	13 TON	10 TON	8 TON	5 TON	13 TON	10 TON	8 TON	5 TON
+40	285	285	225	142 5	228	228	180	114	30	30	15	15
+30	285	285	225	142 5	228	228	180	114	30	30	15	15
+20	285	285	225	142 5	228	282	180	114	45	45	30	15
+10	285	285	225	142 5	228	282	180	114	45	45	30	22 5
0	285	285	225	142 5	228	228	180	14	45	45	30	22 5
-10	285	285	225	142 5	228	228	180	114	60	60	30	22 5
-20	285	285	225	142 5	228	228	180	114	SEE NOTE #1			
-30	SEE NOTE #1											
+40												

ABOVE BASED UPON 4375 CFM O.A

1 AIR TO AIR HEAT RECOVERY RECOMMENDED IN THESE TEMPERATURE RANGES. IF THE AIR TO AIR HEAT RECOVERY IS NOT CHOSEN, PRE-HEATERS MUST BE USED AS REQUIRED

YORK

HEAT SCHEDULE

DESIGN TEMP	GAS MBH INPUT				GAS MBH OUTPUT				ELECTRIC KW			
	12 1/2 TON	10 TON	7 1/2 TON	5 TON	12 1/2 TON	10 TON	7 1/2 TON	5 TON	12 1/2 TON	10 TON	7 1/2 TON	5 TON
+40	245	245	204	125	194	194	161	101	27	27	27	11 2
+30	245	245	204	125	194	194	161	101	27	27	27	11 2
+20	245	245	204	125	194	194	161	101	41	41	27	22 5
+10	245	245	204	125	194	194	161	101	41	41	27	22 5
0	245	245	204	125	194	194	161	101	41	41	27	22 5
-10	245	245	204	125	194	194	161	101	SEE NOTE #1			
-20	SEE NOTE #1											
-30												
-40												

ABOVE SCHEDULE BASED UPON 4375 CFM O A

1 AIR TO AIR HEAT RECOVERY RECOMMENDED IN THESE TEMPERATURE RANGES. IF THE AIR TO AIR HEAT RECOVERY IS NOT CHOSEN, PRE-HEATERS MUST BE USED AS REQUIRED

AIR BALANCE SCHEDULE

UNIT	O A	R A	S A	E A	PRESSURE
K-1	1625	3575	5200	-----	+1625
K-2	625	1375	2000	-----	+625
D-1	1250	2750	4000	-----	+1250
D-2	875	1925	2800	-----	+875
E-1	-----	-----	-----	1400	-1450
E-1A	-----	-----	-----	600	- 600
E-3	-----	-----		695	- 695
E-3	-----	-----	-----	695	- 695
E-4	-----	-----	-----	650	- 650
TOTAL	4375	9625	14000	4040	+335

NOTE ABOVE EXHAUST VOLUMES DATA BASED UPON FLAMEGUARD FILTERS

MARKEL CEILING HEATER SELECTION SCHEDULE

REF	OUTSIDE WINTER TEMPERATURE PER ASHRAE GUIDE	HEATER SIZE	VOLTAGE AVAILABLE
CH 1	25 F AND ABOVE	2 KW	208 240 VOLT SINGLE PHASE
	0° F THROUGH 24°	3 KW	208 240 VOLT SINGLE PHASE
	0° F AND BELOW	4 KW	208 240 VOLT SINGLE PHASE

NOTE SEE ELECTRICAL SHEET E-3 FOR CIRCUIT BREAKERS, CONDUIT AND WIRE SIZES

TITUS DIFFUSER & GRILLE SCHEDULE

SYMBOL	MODEL NO	BOOT NECK	CEILING TYPE	CEILING OPENING REQUIRED	QUANTITY
A	MC PAS	0' 8"	T-BAR *	23 1/2" X 23 1/2"	- *
		1 10"			2
		2 12"			10
		3 14"			-
B	MC 50-P	23" X 23"	T-BAR	23 1/2" X 23 1/2"	11
C	MC TDC 4 WAY	15"X15"	T-BAR	23 1/2" X 23 1/2"	6
D	MC TDC 3 WAY	15"X15"	T-BAR	23 1/2" X 23 1/2"	3
E	MC TDC 2 WAY CORNER	15"X15"	T-BAR	23 1/2" X 23 1/2"	2
F	MC TDC 1 WAY	15"X15"	T-BAR	23 1/2" X 23 1/2"	-
G	MC 300 (SUPPLY)	10"X10"	DRYWALL BOARD	10"X 10"	5
H	MC 350 (RETURN)	10"X10"	DRYWALL BOARD	10"X 10"	7
J	MC TDC 2 WAY OPPOSITE	15"X15"	T-BAR	23 1/2" X 23 1/2"	-

* ADDITIONAL TYPE A-0 DIFFUSERS ARE REQUIRED WHEN VESTIBULES ARE BUILT

MECHANICAL SYMBOLS

K-1	A/C UNIT NUMBER
E-1	EXHAUST FAN NUMBER
A-2 500	DIFFUSER AND BOOT TYPE INDICATES CFM REQUIRED
E-1 1400	EXHAUST FAN NUMBER INDICATES CFM REQUIRED
	PLENUM W/STARTING COLLAR (SUPPLY AIR)
	HONEYWELL TEMPERATURE SENSOR (5'-8" ABOVE FINISHED FLOOR)
	PLENUM W/STARTING COLLAR (RETURN AIR)
12	FLEX ROUND DUCTWORK SIZE
	BLACK IRON EXHAUST DUCT BY K E S
	SHEET METAL "T" FOR FLEX DUCTWORK
	HVAC REFERENCE TARGET

EQUIPMENT SCHEDULE

E-1	CLAM SHELL GRILL 1450 CFM ILG MCD-165 W/RAINHOOD #L1007, 3/4 H P , 7 8 F L A PENN MCD-160 W/RAINHOOD 3/4 H P , 8 7 F L A
E-1A	3' GRILL FAN 600 CFM ILG MCD-135 W/RAINHOOD #L1001, 1/2 H P 5 7 F L A PENN MCD-130A W/RAINHOOD 1/2 H P , 6 0 F L A
E-3	3-BATTERY FRYER FAN 695 CFM. ILG MCD-135 #L1009 1/2 H P 5 7 F L A PENN MCD-13A 1/2 H P , 6 0 F L A
E-4	ILG CRB-12 (BELT DRIVEN) TOILET AND DRESSING ROOM EXHAUST FAN, 650 CFM @ 1"S P 1/4H P 120/1/60 CYCLE 3 5 F L A COMPLETE WITH BIRDSCREEN AND BACKDRAFT DAMPER PENN AQ-20-L (DIRECT DRIVE) TOILET AND DRESSING ROOM EXHAUST FAN, 650 CFM @ 1" S P 1/3H P 120/1/60 CYCLE 5 0 F L A COMPLETE WITH BIRDSCREEN AND BACKDRAFT DAMPER
CH 1	MARKEL RECESSED CEILING MOUNTED ELECTRIC HEATER, REFER TO SCHEDULE W/WALL STAT & LOW VOLTAGE RELAY (SUPPLIED BY MCDONALD'S)

HVAC UNIT SCHEDULE

13 TON (K-1)
AAON — ROOFTOP COOLING AND HEATING UNITS, SERIES RE-13 (WITH POWER ECONOMIZER)
COOLING CAPACITY 161,200 BTU - 10 4 EER
HEATING CAPACITY 285 MBH - 80% EFFICIENCY
EVAP BLOWER NOMINAL CFM 5,200 - EXTERNAL STATIC 2 7
MOTOR H P 5 - DRIVE TYPE BELT
FULL LOAD AMPS 75 9 (208/240/60/3), 38 0, (480/60/3)
GAS CONNECTION(F P T) 1"
UNIT WEIGHT 1,780 LBS CURB WEIGHT 160 LBS

10 TON (D-1)
AAON — ROOFTOP COOLING AND HEATING UNITS, SERIES RE-10
COOLING CAPACITY 126,000 BTU - 10,5 EER
HEATING CAPACITY 285 MBH - 80% EFFICIENCY
EVAP BLOWER NOMINAL CFM 4,000 - EXTERNAL STATIC 2 4
MOTOR H P 3 - DRIVE TYPE BELT
FULL LOAD AMPS 55 7(208/230/60/3), 27 9(460/60/3)
GAS CONNECTION(F P T) 1"
UNIT WEIGHT 1,600 LBS CURB WEIGHT 160 LBS

8 TON
AAON — ROOFTOP COOLING AND HEATING UNITS, SERIES RE-08
COOLING CAPACITY 105,100 BTU - 9 6 EER
HEATING CAPACITY 225 MBH - 80% EFFICIENCY
EVAP BLOWER NOMINAL CFM 3,200 - EXTERNAL STATIC 2 7
MOTOR H P 2 - DRIVE TYPE BELT
FULL LOAD AMPS 50 1(208/230/60/3), 25 (460/60/3)
GAS CONNECTION (F P T) 1"
UNIT WEIGHT 1,530 LBS CURB WEIGHT 160 LBS

7 TON (D-2)
AAON — ROOFTOP COOLING AND HEATING UNITS, SERIES RE-07
COOLING CAPACITY 100,800 BTU - 10 5 EER
HEATING CAPACITY 142 5 MBH - 80% EFFICIENCY
EVAP BLOWER NOMINAL CFM 2,800 - EXTERNAL STATIC 1 5
MOTOR H P 2 - DRIVE BELT TYPE
FULL LOAD AMPS 44 1(208/240/60/3), 22 1(460/60/3)
GAS CONNECTION (F P T) 1/2"
UNIT WEIGHT 1250 LBS CURB WEIGHT 160 LBS

5 TON (K-2)
AAON — ROOFTOP COOLING AND HEATING UNITS, SERIES RE-05
COOLING CAPACITY 64,400 BTU - 11 2 EER
HEATING CAPACITY 142 5 MBH - 80% EFFICIENCY
EVAP BLOWER NOMINAL CFM 2,000 - EXTERNAL STATIC 1 5
MOTOR H P 1 - DRIVE TYPE BELT
FULL LOAD AMPS 26 8(208/240/60/3), 13 4(480/60/3)
GAS CONNECTION(F P T) 1/2"
UNIT WEIGHT 1130 LBS CURB WEIGHT 160 LBS

~~**12 1/2 TON** (K-1)~~
YORK — ROOFTOP COOLING AND HEATING UNITS, SERIES DIRG150 (WITH POWER ECONOMIZER)
COOLING CAPACITY 147,000 BTU - 8 4 EER
HEATING CAPACITY 245 MBH - 78 5% EFFICIENCY
EVAP BLOWER NOMINAL CFM 5000 - EXTERNAL STATIC 0 31"
MOTOR H P 5 -DRIVE TYPE BELT
FULL LOAD AMPS 70 1(208/240/60/3), 35 4(480/60/3)
GAS CONNECTION (F P T) 3/4"
UNIT WEIGHT 1,575 LBS CURB WEIGHT 150 LBS

10 TON (D-1)
YORK — ROOFTOP COOLING AND HEATING UNITS, SERIES DIRG120
COOLING CAPACITY 117,000 BTU - 8 7 EER
HEATING CAPACITY 245 MBH - 79% EFFICIENCY
EVAP BLOWER NOMINAL CFM 4,000 - EXTERNAL STATIC 1 37
MOTOR H P 3 - DRIVE TYPE BELT
FULL LOAD AMPS 58 4(208/240/60/3), 29 0(480/60/3)
GAS CONNECTION (F P T) 3/4"
UNIT WEIGHT 1,325 LBS CURB WEIGHT 150 LBS

7 1/2 TON (D-2)
YORK — ROOFTOP COOLING AND HEATING UNITS, SERIES DIRG090
COOLING CAPACITY 87,000 BTU - 8 6 EER
HEATING CAPACITY 204 MBH -80 5% EFFICIENCY
EVAP BLOWER NOMINAL CFM 3,000 - EXTERNAL STATIC 0 91
MOTOR H P 2 - DRIVE TYPE BELT
FULL LOAD AMPS 40 9(208/240/60/3), 19 7(480/60/3)
GAS CONNECTION(F P T) 3/4"
UNIT WEIGHT 1,205 LBS CURB WEIGHT 150 LBS

~~**5 TON** (K-2)~~
YORK — ROOFTOP COOLING AND HEATING UNITS, SERIES DIRG060
COOLING CAPACITY 58,000 BTU - 8 6 EER
HEATING CAPACITY 125 MBH -81 1% EFFICIENCY
EVAP BLOWER NOMINAL CFM 2,000 - EXTERNAL STATIC 0 53"
MOTOR H P 1 - DRIVE TYPE DIRECT
FULL LOAD AMPS 30 5(208/240/60/3), 16 0(480/60/3)
GAS CONNECTION(F P T) 1/2"
UNIT WEIGHT 745 LBS CURB WEIGHT 110 LBS

NOTE ALL OF THE ABOVE TECHNICAL DATA IS BASED ON GAS UNITS AND IS TAKEN FROM THE MANUFACTURER'S SPECIFICATIONS

REGISTERED ARCHITECT — No. 4496 — ANDOVER, MASS. — COMMONWEALTH OF MASSACHUSETTS

REV | DATE | DESCRIPTION | BY | ISSUE REF
VIEW CONVENTION | SCALE | UNITS OF MEASURE: INCH

McDonald's®
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

McDONALD'S CORPORATION
ARC DRIVE
OAK BROOK, ILLINOIS 60521

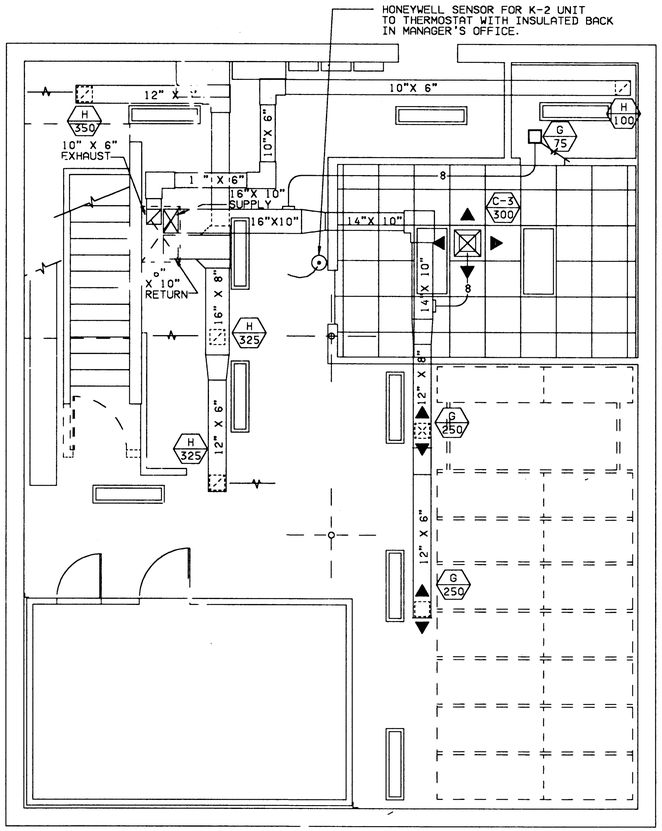
TITLE 37-84/89 BASEMENT

DRAWN BY	CHECKED BY	DATE CHECKED
RLF	MAR	30AUG89
DATE DRAWN	APPROVED BY	DATE APPROVED
01AUG89		30AUG89
DRAWING ID	MATERIAL / DESCRIPTION	DATE ISSUED
9BM -3784BS	STANDARD TEMPERATURE	01SEP89

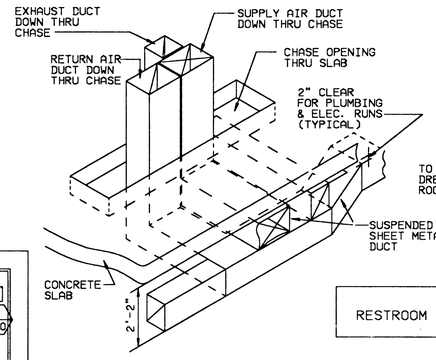
ISSUE REF

SHEET NO M02
STANDARD TEMP

MODIFIED (01FEB89)

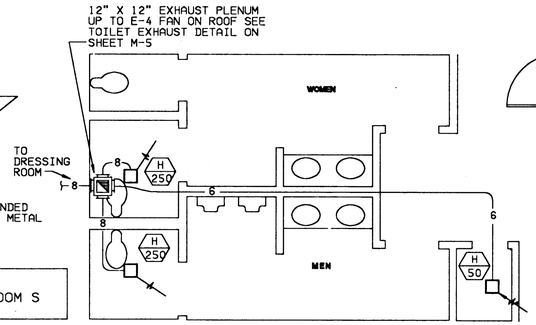


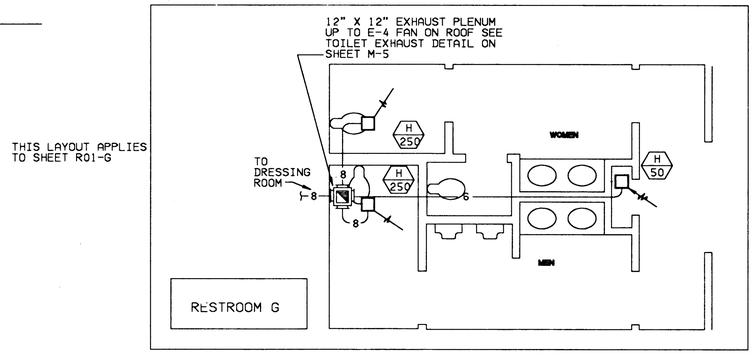
BASEMENT H. V. A. C. PLAN

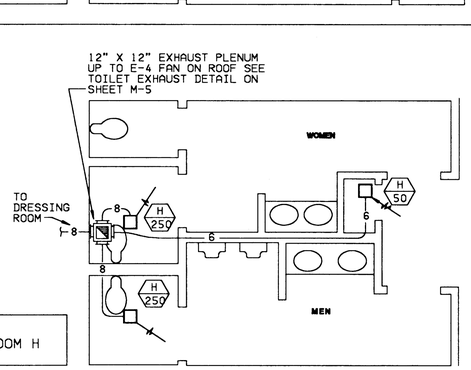

EXHAUST DUCT DOWN THRU CHASE
SUPPLY AIR DUCT DOWN THRU CHASE
RETURN AIR DUCT DOWN THRU CHASE
CHASE OPENING THRU SLAB
2" CLEAR FOR PLUMBING & ELEC. RUNS (TYPICAL)
SUSPENDED SHEET METAL DUCT
CONCRETE SLAB
2'-2"

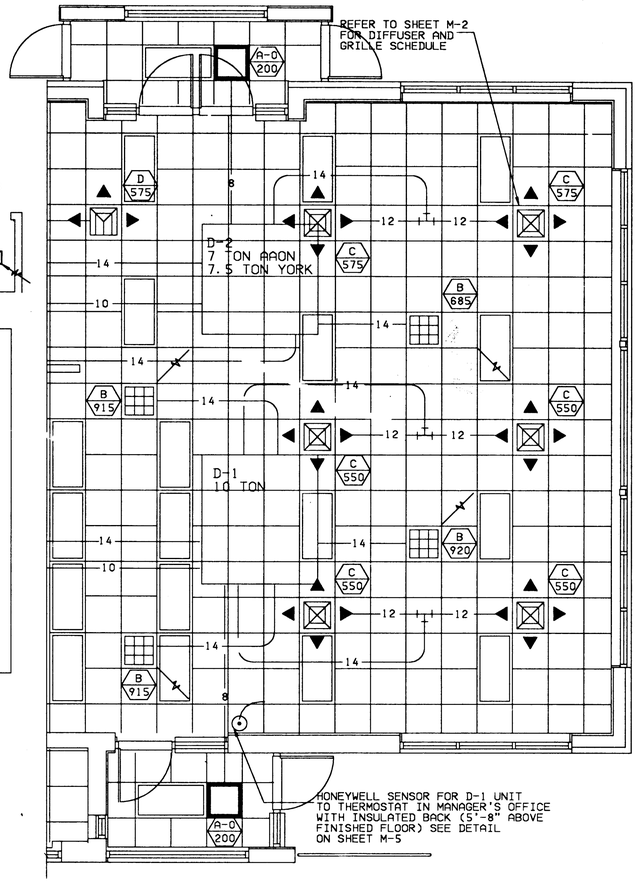
DETAIL

NO SCALE


12" X 12" EXHAUST PLENUM UP TO E-4 FAN ON ROOF SEE TOILET EXHAUST DETAIL ON SHEET M-5
TO DRESSING ROOM
WOMEN
MEN
H 250
H 50
RESTROOM S

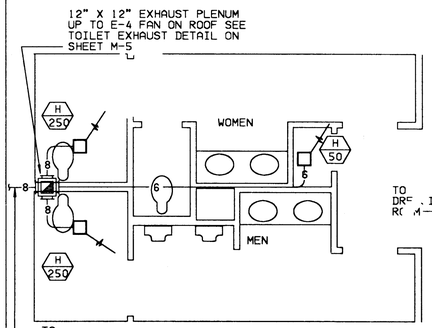

THIS LAYOUT APPLIES TO SHEET R01-G
12" X 12" EXHAUST PLENUM UP TO E-4 FAN ON ROOF SEE TOILET EXHAUST DETAIL ON SHEET M-5
TO DRESSING ROOM
WOMEN
MEN
H 250
H 50
RESTROOM G

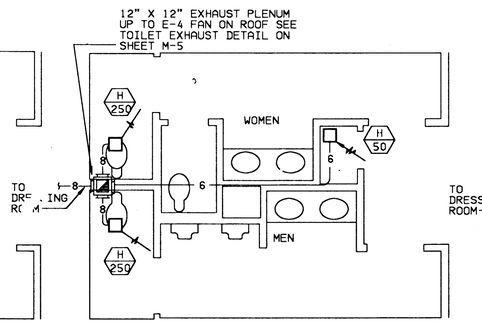

12" X 12" EXHAUST PLENUM UP TO E-4 FAN ON ROOF SEE TOILET EXHAUST DETAIL ON SHEET M-5
TO DRESSING ROOM
WOMEN
MEN
H 250
H 50
RESTROOM H

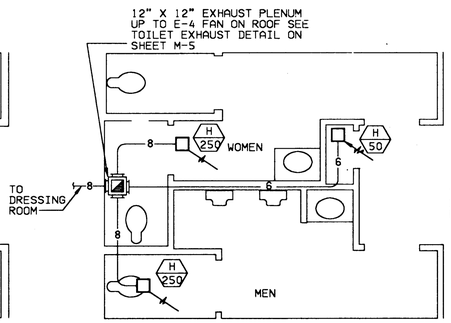


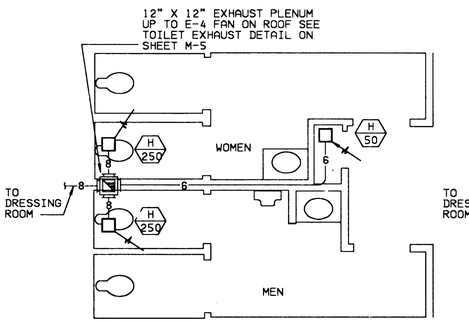
NOTE

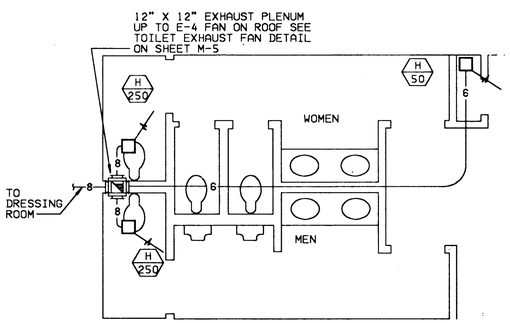
COORDINATE WITH ARCHITECTURAL DRAWINGS R-1, V-1, & V-2


12" X 12" EXHAUST PLENUM UP TO E-4 FAN ON ROOF SEE TOILET EXHAUST DETAIL ON SHEET M-5
WOMEN
MEN
TO DRESSING ROOM
H 250
H 50
RESTROOM A




12" X 12" EXHAUST PLENUM UP TO E-4 FAN ON ROOF SEE TOILET EXHAUST DETAIL ON SHEET M-5
WOMEN
MEN
TO DRESSING ROOM
H 250
H 50
RESTROOM C


12" X 12" EXHAUST PLENUM UP TO E-4 FAN ON ROOF SEE TOILET EXHAUST DETAIL ON SHEET M-5
WOMEN
MEN
TO DRESSING ROOM
H 250
H 50
RESTROOM D


12" X 12" EXHAUST PLENUM UP TO E-4 FAN ON ROOF SEE TOILET EXHAUST FAN DETAIL ON SHEET M-5
WOMEN
MEN
TO DRESSING ROOM
H 250
H 50
RESTROOM F

NO.	DATE	REV	DESCRIPTION	BY	ISSUE REF
1	01FEB90		CODE UPDATE & STRUCTURAL CHANGES	JJC	---

UNITS OF MEASURE: INCH
SCALE:

REGISTERED ARCHITECT No. 4498 ANDOVER, MASS. COMMONWEALTH OF MASSACHUSETTS

McDonald's®
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE 37-84/89 BASEMENT	MATERIAL / DESCRIPTION STANDARD TEMPERATURE	CHECKED BY MAR	DATE CHECKED 30AUG89
DRAWN BY RLF		APPROVED BY ---	DATE APPROVED 30AUG89
DATE DRAWN 01AUG89		ISSUE REF ---	DATE ISSUED 01SEPT89
DRAWING ID 9BM -3784BS			

SHEET NO. M03
STANDARD TEMP

MCD104 (01FEB89)

3/8" ø BLUE STRIPE PNEUMATIC TUBING TO RUN BELOW ROOF IN SUSPENDED CEILING SPACE (SEE NOTE 4 ON SHEET M1)

3/8" ø BLUE STRIPE PNEUMATIC TUBING FROM MODEL DPM-83 PANEL TO OUTSIDE AIR PRESSURE SENSOR, MOUNTED IN BOTTOM OF SOFFIT. SEE AIR SENSOR ASSEMBLY DETAIL ON SHEET M-5

E4

12" HIGH CURB

K-2
5 TON

B
M5

12" HIGH CURB

K-1
13 TON AAON
~~12 1/2 TON~~
~~YORK~~

12" HIGH CURB

A
M5

D-2
7 TON AAON
~~7 1/2 TON~~
~~YORK~~

12" HIGH CURB

B
M5

D-1
10 TON

12" HIGH CURB

ROOF SCUTTLE

EXHAUST FANS MUST BE HINGED AS SHOWN. PLACE HINGED SIDE FACING FRONT OF BUILDING.

E1A

E1

ROOF CURB FOR MAC-6 SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR

AIR FLOW

12" HIGH CURB

12" HIGH CURB

(2) 3/8" ø BLUE STRIPE PNEUMATIC TUBING DOWN TO AUTOMATIC AIR BALANCE CONTROL PANEL. INSTALLED BY ELECTRICAL CONTRACTOR

NOTE
SEE JOIST PLAN FOR EXACT LOCATIONS OF UNITS & FANS

3/8" ø BLUE STRIPE PNEUMATIC TUBING TO RUN BELOW ROOF IN SUSPENDED CEILING SPACE (SEE NOTE 4 ON SHEET M1)

3/8"ø BLUE STRIPE PNEUMATIC TUBING FROM MODEL DPM-83 PANEL TO OUTSIDE AIR PRESSURE SENSOR. MOUNTED IN BOTTOM OF SOFFIT. SEE AIR SENSOR ASSEMBLY DETAIL ON SHEET M5.

MAC 6H

WATER HEATER VENT (TO BE FURNISHED AND INSTALLED BY PLUMBER)

E3

E3

12" HIGH CURB

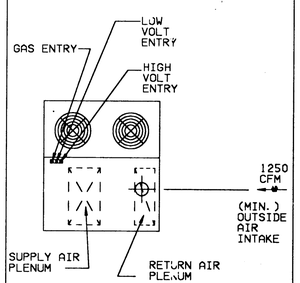
12" HIGH CURB

HVAC ROOF PLAN

SCALE : 1/4"=1'-0"

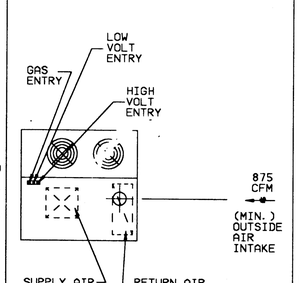
AAON

D-1



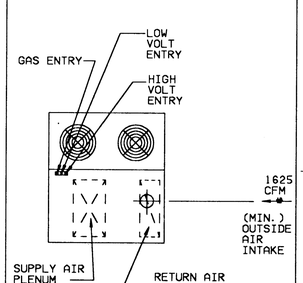
10 TON
AAON HVAC UNIT W/CURB AND ECONOMIZER HOOD

D-2



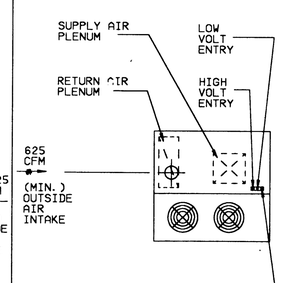
7 TON
AAON HVAC UNIT W/CURB AND ECONOMIZER HOOD

K-1



13 TON
AAON HVAC UNITW/CURB AND ECONOMIZER HOOD

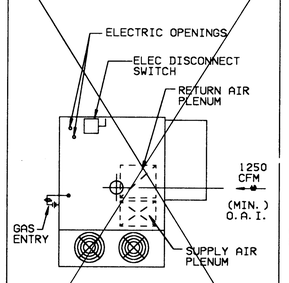
K-2



5 TON
AAON HVAC UNIT W/ CURB AND ECONOMIZER HOOD

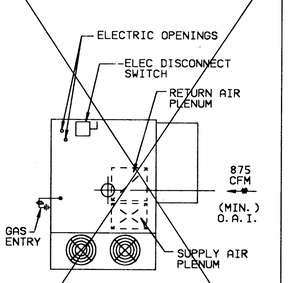
YORK

D-1



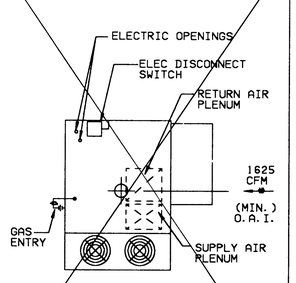
10 TON
YORK HVAC UNIT W/ CURB AND ECONOMIZER HOOD

D-2



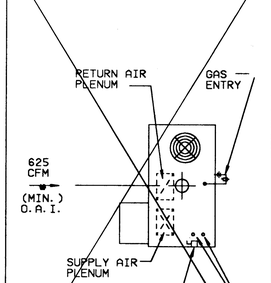
7 1/2 TON
YORK HVAC UNIT W/ CURB AND ECONOMIZER HOOD

K-1



12 1/2 TON
YORK HVAC UNIT W/ CURB AND ECONOMIZER HOOD

K-2



5 TON
YORK HVAC UNIT W/ CURB AND ECONOMIZER HOOD

REV	DATE	DESCRIPTION	BY	ISSUE REF
1	01FEB90	CODE UPDATE & STRUCTURAL CHANGES	JJC	—

VIEW CONVENTION

SCALE

UNITS OF MEASURE INCH

REGISTERED ARCHITECT
DONALD E. MARCOTTE
No. 4496
HANOVER, MASS.
COMMONWEALTH OF MASSACHUSETTS

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE 37-84/89 BASEMENT

DRAWN BY RLF
DATE DRAWN 01AUG89
DRAWING ID 9BM -3784BS

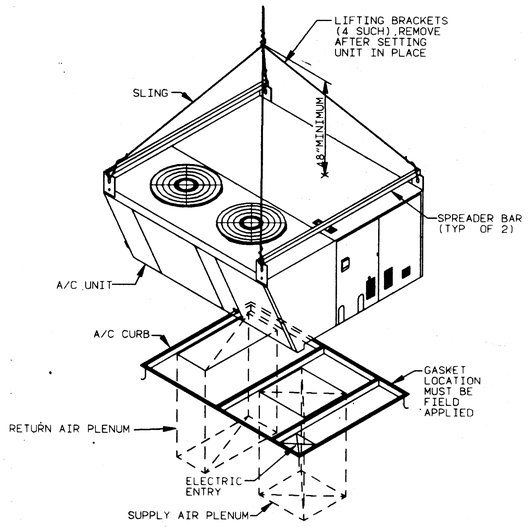
MATERIAL / DESCRIPTION STANDARD TEMPERATURE
APPROVED BY —
ISSUE REF —

CHECKED BY MAR
DATE CHECKED 30AUG89
DATE APPROVED 30AUG89
DATE ISSUED 01SEPT89

SHEET NO. M04
STANDARD TEMP

MCD104 (01FEB89)

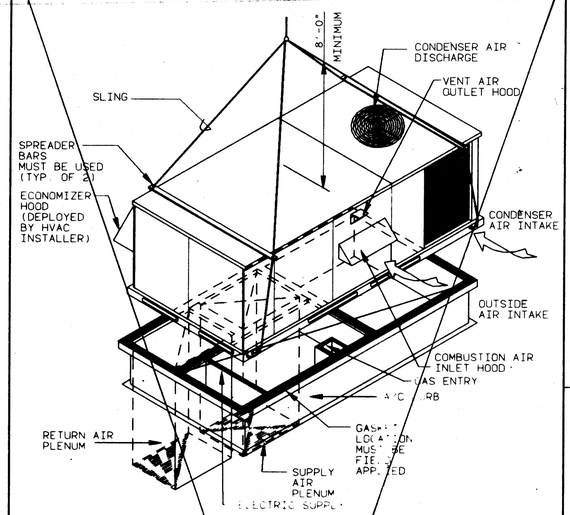
AAON



AAON UNIT HOISTING DETAIL

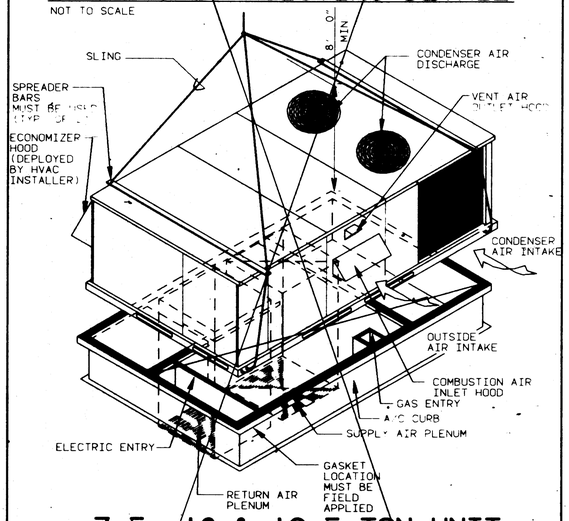
NOT TO SCALE

YORK



5 TON UNIT HOISTING DETAIL

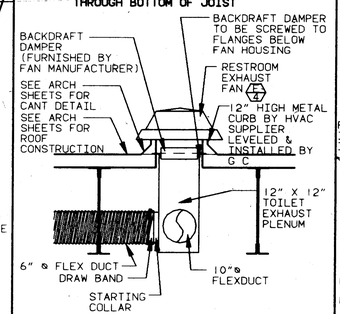
NOT TO SCALE



7.5, 10 & 12.5 TON UNIT HOISTING DETAIL

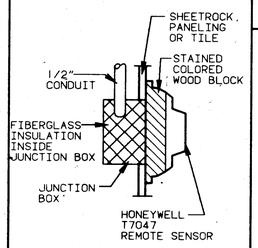
NOT TO SCALE

NOTE: FLEX DUCTS TO RUN THROUGH BOTTOM OF JOIST


BACKDRAFT DAMPER (FURNISHED BY FAN MANUFACTURER)
BACKDRAFT DAMPER TO BE SCREWED TO FLANGES BELOW FAN HOUSING
SEE ARCH SHEETS FOR CANT DETAIL
SEE ARCH SHEETS FOR ROOF CONSTRUCTION
RESTROOM EXHAUST FAN
12" HIGH METAL CURB BY HVAC SUPPLIER LEVELED & INSTALLED BY G C
12" X 12" TOILET EXHAUST PLENUM
6" ø FLEX DUCT DRAW BAND
10"ø FLEXDUCT
STARTING COLLAR

RESTROOM EXHAUST FAN DETAIL

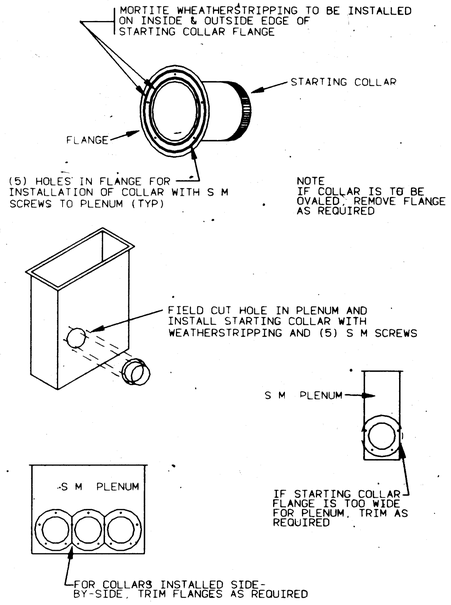
NOT TO SCALE



NOTE
MOUNT WOOD BLOCK BEHIND REMOTE SENSOR TO INSULATE IT FROM WALL. PACK FIBERGLASS INSULATION INTO JUNCTION BOX

T-STAT BACKER BLOCK

NOT TO SCALE

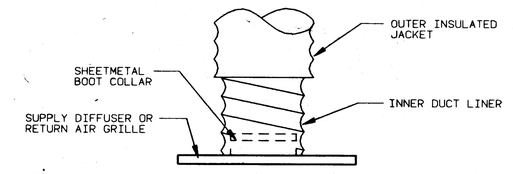

MORTITE WHEATHERSTRIPPING TO BE INSTALLED ON INSIDE & OUTSIDE EDGE OF STARTING COLLAR FLANGE
STARTING COLLAR
FLANGE
(5) HOLES IN FLANGE FOR INSTALLATION OF COLLAR WITH S M SCREWS TO PLENUM (TYP)
NOTE IF COLLAR IS TO BE OVALED, REMOVE FLANGE AS REQUIRED
FIELD CUT HOLE IN PLENUM AND INSTALL STARTING COLLAR WITH WEATHERSTRIPPING AND (5) S M SCREWS
S M PLENUM
S M PLENUM
IF STARTING COLLAR FLANGE IS TOO WIDE FOR PLENUM, TRIM AS REQUIRED
FOR COLLARS INSTALLED SIDE-BY-SIDE, TRIM FLANGES AS REQUIRED

STARTER COLLAR DETAIL

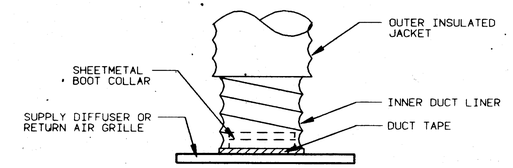
NOT TO SCALE

FLEX DUCT CONNECTION TO DIFFUSER, GRILLES AND SHEETMETAL PLENUM COLLARS

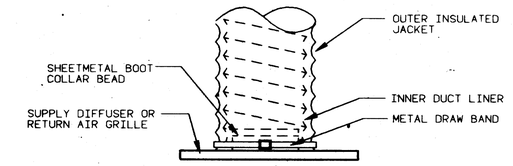
1. PULL OUTER INSULATION JACKET BACK AND SLIDE INNER LINE OVER SHEETMETAL COLLAR.



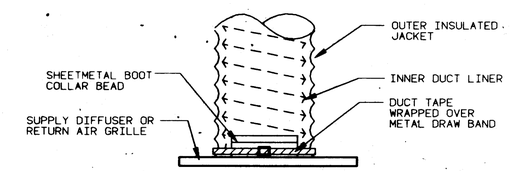
2. TAPE INNER-LINER TO SHEETMETAL COLLAR WITH SILVER DUCT TAPE. DUCT TAPE SHOULD BE WRAPPED AROUND SHEETMETAL COLLAR TWO FULL TURNS.

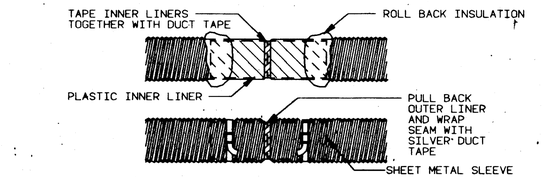


3. PULL OUTER INSULATED JACKET OVER SHEETMETAL COLLAR AND PLACE A METALDRAWBAND OVER THE OUTER INSULATED JACKET BELOW THE SHEETMETAL COLLAR BEAD.



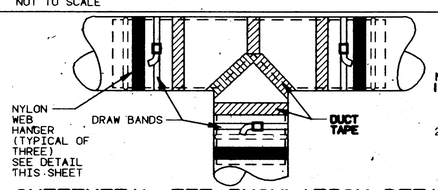
4. CUT EXCESS METAL DRAWBAND OFF AND WRAP METAL DRAWBAND WITH SILVER DUCT TAPE.


OUTER INSULATED JACKET
SHEETMETAL BOOT COLLAR BEAD
INNER DUCT LINER
DUCT TAPE WRAPPED OVER METAL DRAW BAND
SUPPLY DIFFUSER OR RETURN AIR GRILLE


TAPE INNER LINERS TOGETHER WITH DUCT TAPE
ROLL BACK INSULATION
PLASTIC INNER LINER
PULL BACK OUTER LINER AND WRAP SEAM WITH SILVER DUCT TAPE
SHEET METAL SLEEVE

FLEXIBLE DUCT SPLICING DETAIL

NOT TO SCALE



NOTE
1 ALL SHEET METAL FITTINGS AND COLLARS MUST BE COMPLETELY INSULATED
2 SHEETMETAL TEE MUST BE SUPPORTED WITH A NYLON WEB HANGER AT EACH CONNECTION POINT

SHEETMETAL TEE INSULATION DETAIL

NOT TO SCALE

PREPERATION AND HOISTING PROCEDURES FOR SETTING AAON ROOFTOP PACKAGED UNITS.

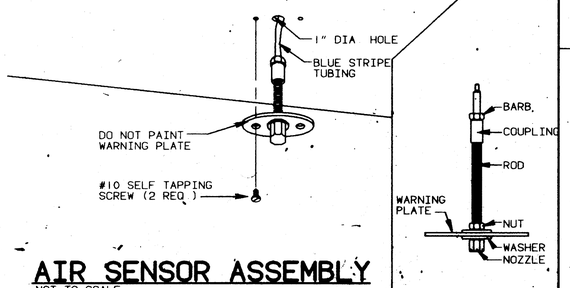
1. DRIVE SCREW TOP OF BOTH SUPPLY AND RETURN PLENUMS TO CURB AND GASKET ALL BEARING SURFACES THIS WILL PREVENT AIR LEAKS BETWEEN PLENUMS AND CEILING SPACE.
2. MAKE SURE ALL BEARING SURFACES ON CURB ARE FULLY GASKETED. AS SHOWN IN HEAVY BLACK ON THE HOISTING DETAILS THIS WILL PREVENT AIR AND WATER LEAKS
3. HOOK RIGGING SHACKLES THROUGH HOLES IN LIFTING LUGS AS SHOWN IN DETAILS
4. USE SPREADER BARS ACROSS THE TOP OF THE UNIT TO PREVENT CRUSHING THE UNIT FRAME AND PANELS
5. AFTER UNIT HAS BEEN SET, CHECK ALIGNMENT OF UNIT AND GASKETING TO INSURE AIR TIGHT SEALS
6. HVAC INSTALLER TO DEPLOY ECONOMIZER RAIN HOOD ON THE UNIT
   A CARDBOARD COVER WHICH PROTECTS THE CONDENSOR COILS SHOULD ONLY BE REMOVED BY THE HVAC SYSTEM SUPPLIER START UP TECHNICIAN

PREPERATION AND HOISTING PROCEDURES FOR SETTING YORK ROOFTOP PACKAGED UNITS

1. DRIVE SCREW TOP OF BOTH SUPPLY AND RETURN PLENUMS TO CURB THIS WILL PREVENT AIR LEAKS BETWEEN PLENUMS AND CEILING SPACE
2. MAKE SURE ALL BEARING SURFACES ON CURB ARE FULLY GASKETED. AS SHOWN IN HEAVY BLACK ON THE HOISTING DETAILS THIS WILL PREVENT AIR AND WATER LEAKS
3. HOOK RIGGING SHACKLES THROUGH HOLES IN LIFTING LUGS OR BRACKETS AS SHOWN IN DETAILS
4. USE SPREADER BARS ACROSS THE TOP OF THE UNIT TO PREVENT CRUSHING THE UNIT FRAME AND PANELS
5. AFTER UNIT HAS BEEN SET, CHECK ALIGNMENT OF UNIT AND GASKETING TO INSURE AIRTIGHT SEALS
6. HVAC INSTALLER TO DEPLOY ECONOMIZER RAIN HOOD AND INSTALL COMBUSTION AIR INLET AND VENT AIR OUTLET HOODS ON THE UNIT INLET & OUTLET HOODS WILL BE SHIPPED IN THE BLOWER COMPARTMENT ALONG WITH GAS PIPING KIT AND PVC CONDENSATE TRAP ECONOMIZER HOOD IS SHIPPED SEPARATELY IN WOODEN CRATE
   A CARDBOARD COVER WHICH PROTECTS THE CONDENSOR COILS SHOULD ONLY BE REMOVED BY THE HVAC SUPPLIER START UP TECHNICIAN

INSTALLATION INSTRUCTIONS

1. DRILL 1" DIA HOLE IN SOFFIT
2. FISH BLUE STRIPE TUBING THRU HOLE AND ATTACH TO SENSOR ASSEMBLY
3. SECURE AIR SENSOR ASSEMBLY THRU WARNING PLATE WITH SCREWS SUPPLIED.



AIR SENSOR ASSEMBLY

NOT TO SCALE

REV	DATE	DESCRIPTION	BY
A	01FEB89	YORK HVAC FRAMING	WNP

UNITS OF MEASURE: INCH
SCALE: NONE
VIEW CONVENTION: 3RD ANGLE

McDonald's

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

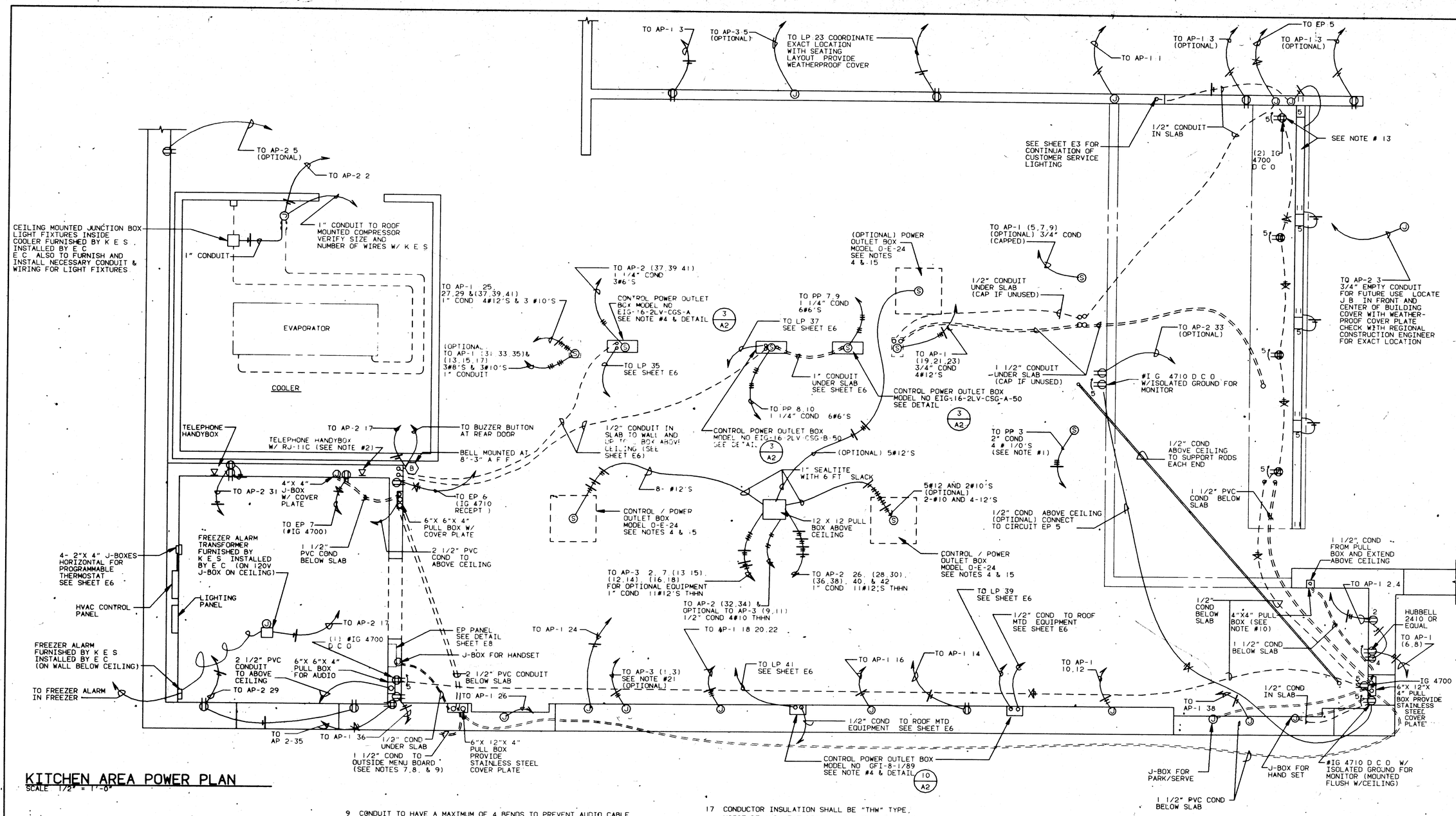
LOCAL ADDRESS

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE	89 RELEASE
DRAWN BY	WNP
DATE DRAWN	01DEC88
DRAWING ID	9S -89RLDG
MATERIAL / DESCRIPTION	
CHECKED BY	
APPROVED BY	
ISSUE REF	--
DATE CHECKED	30DEC88
DATE APPROVED	30DEC88
DATE ISSUED	03JAN89

SHEET NO. M05

MCD044 (30AUG88)


TO AP-1 3
TO AP-3 5 (OPTIONAL)
TO LP 23 COORDINATE EXACT LOCATION WITH SEATING LAYOUT PROVIDE WEATHERPROOF COVER
TO AP-1 1
TO AP-1 3 (OPTIONAL)
TO EP 5
TO AP-1 3 (OPTIONAL)
SEE SHEET E3 FOR CONTINUATION OF CUSTOMER SERVICE LIGHTING
1/2" CONDUIT IN SLAB
SEE NOTE # 13
(2) IG 4700 D C O
TO AP-2 5 (OPTIONAL)
TO AP-2 2
CEILING MOUNTED JUNCTION BOX LIGHT FIXTURES INSIDE COOLER FURNISHED BY K E S INSTALLED BY E C E C ALSO TO FURNISH AND INSTALL NECESSARY CONDUIT & WIRING FOR LIGHT FIXTURES
1" CONDUIT TO ROOF MOUNTED COMPRESSOR VERIFY SIZE AND NUMBER OF WIRES W/ K E S
1" CONDUIT
EVAPORATOR
COOLER
TO AP-2 (37,39,41) 1 1/4" COND 3#6'S
TO AP-1 25, 27,29 &(37,39,41) 1" COND 4#12'S & 3 #10'S
CONTROL POWER OUTLET BOX MODEL NO EIG-16-2LV-CGS-A SEE NOTE #4 & DETAIL 3/A2
(OPTIONAL) TO AP-1 (31,33,35)& (13,15,17) 3#8'S & 3#10'S 1" CONDUIT
TO LP 35 SEE SHEET E6
(OPTIONAL) POWER OUTLET BOX MODEL O-E-24 SEE NOTES 4 & 15
TO AP-1 (5,7,9) (OPTIONAL) 3/4" COND (CAPPED)
1/2" CONDUIT UNDER SLAB (CAP IF UNUSED)
TO PP 7,9 1 1/4" COND 6#6'S
TO LP 37 SEE SHEET E6
TO AP-1 (19,21,23) 3/4" COND 4#12'S
1" CONDUIT UNDER SLAB SEE SHEET E6
TO PP 8,10 1 1/4" COND 6#6'S
CONTROL POWER OUTLET BOX MODEL NO EIG-16-2LV-CSG-A-50 SEE DETAIL 3/A2
1 1/2" CONDUIT UNDER SLAB (CAP IF UNUSED)
TO AP-2 33 (OPTIONAL)
#I G 4710 D C O W/ISOLATED GROUND FOR MONITOR
TO AP-2 3 3/4" EMPTY CONDUIT FOR FUTURE USE LOCATE J B IN FRONT AND CENTER OF BUILDING COVER WITH WEATHER-PROOF COVER PLATE CHECK WITH REGIONAL CONSTRUCTION ENGINEER FOR EXACT LOCATION
TELEPHONE HANDYBOX
TO AP-2 17
TELEPHONE HANDYBOX W/ RJ-11C (SEE NOTE #2)
TO BUZZER BUTTON AT REAR DOOR
BELL MOUNTED AT 8'-3" A F F
1/2" CONDUIT IN SLAB TO WALL AND UP TO BOX ABOVE CEILING (SEE SHEET E6)
CONTROL POWER OUTLET BOX MODEL NO EIG-16-2LV-CSG-B-50 SEE DETAIL 3/A2
(OPTIONAL) 5#12'S
TO PP 3 2" COND 4 #10'S (SEE NOTE #1)
1/2" COND ABOVE CEILING TO SUPPORT RODS EACH END
4"X 4" J-BOX W/ COVER PLATE
TO AP-2 31
TO EP 6 (IG 4710 RECEPT)
TO EP 7 (#IG 4700)
6"X 6"X 4" PULL BOX W/ COVER PLATE
1 1/2" PVC COND BELOW SLAB
2 1/2" PVC COND TO ABOVE CEILING
8- #12'S
CONTROL / POWER OUTLET BOX MODEL O-E-24 SEE NOTES 4 & 15
1" SEALTITE WITH 6 FT SLACK
12 X 12 PULL BOX ABOVE CEILING
5#12 AND 2#10'S (OPTIONAL) 2-#10 AND 4-12'S
1/2" COND ABOVE CEILING (OPTIONAL) CONNECT TO CIRCUIT EP 5
CONTROL / POWER OUTLET BOX MODEL O-E-24 SEE NOTES 4 & 15
1 1/2" PVC COND BELOW SLAB
1 1/2" COND FROM PULL BOX AND EXTEND ABOVE CEILING
TO AP-1 2,4
4- 2"X 4" J-BOXES HORIZONTAL FOR PROGRAMMABLE THERMOSTAT SEE SHEET E6
FREEZER ALARM TRANSFORMER FURNISHED BY K E S INSTALLED BY E C (ON 120V J-BOX ON CEILING)
HVAC CONTROL PANEL
LIGHTING PANEL
TO AP-3 2, 7 (13 15), (12,14), (16,18) FOR OPTIONAL EQUIPMENT 1" COND 11#12'S THHN
TO AP-2 (32,34) & OPTIONAL TO AP-3 (9,11) 1/2" COND 4#10 THHN
TO AP-2 26, (28,30), (36,38), 40, & 42 1" COND 11#12'S THHN
TO LP 39 SEE SHEET E6
1/2" COND TO ROOF MTD EQUIPMENT SEE SHEET E6
1/2" COND BELOW SLAB
4"X4" PULL BOX (SEE NOTE #10)
HUBBELL 2410 OR EQUAL
TO AP-1 (6,8)
1 1/2" COND BELOW SLAB
TO AP-2 17
(1) #IG 4700 D C O
EP PANEL SEE DETAIL SHEET E8
J-BOX FOR HANDSET
FREEZER ALARM FURNISHED BY K E S INSTALLED BY E C (ON WALL BELOW CEILING)
2 1/2" PVC CONDUIT TO ABOVE CEILING
6"X 6"X 4" PULL BOX FOR AUDIO
2 1/2" PVC CONDUIT BELOW SLAB
TO AP-1 24
TO AP-1 18 20,22
TO AP-3 (1,3) SEE NOTE #21 (OPTIONAL)
TO LP 41 SEE SHEET E6
TO AP-1 16
TO AP-1 14
TO AP-1 10,12
TO FREEZER ALARM IN FREEZER
TO AP-2 29
TO AP-1 26
1/2" COND IN SLAB
IG 4700
6"X 12"X 4" PULL BOX PROVIDE STAINLESS STEEL COVER PLATE
TO AP 2-35
TO AP-1 36
1/2" COND UNDER SLAB
1 1/2" COND TO OUTSIDE MENU BOARD (SEE NOTES 7,8, & 9)
6"X 12"X 4" PULL BOX PROVIDE STAINLESS STEEL COVER PLATE
1/2" COND TO ROOF MTD EQUIPMENT SEE SHEET E6
CONTROL POWER OUTLET BOX MODEL NO GFI-8-1/89 SEE NOTE #4 & DETAIL 10/A2
TO AP-1 38
J-BOX FOR PARK/SERVE
J-BOX FOR HAND SET
#IG 4710 D C O W/ ISOLATED GROUND FOR MONITOR (MOUNTED FLUSH W/CEILING)
1 1/2" PVC COND BELOW SLAB

KITCHEN AREA POWER PLAN

SCALE 1/2" = 1'-0"

NOTES

1. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ELECTRIC SERVICE TO CIRCUIT BREAKER PANEL MOUNTED ON EQUIPMENT
2. PROVIDE 3/4" EMPTY CONDUIT FOR TELEPHONE SERVICE IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO CONTACT THE LOCAL TELEPHONE COMPANY REPRESENTATIVE AND INCORPORATE ALL REQUIREMENTS FOR A COMPLETE SYSTEM
3. REFER TO THE KITCHEN DRAWINGS FOR MOUNTING HEIGHTS OF ALL KITCHEN ELECTRICAL OUTLETS AND STUB-UPS
4. CONTROL/POWER OUTLET BOXES FURNISHED BY McDONALD'S POWER & CONTROL CORDS FURNISHED WITH KITCHEN APPLIANCE ELECTRICAL CONTRACTOR TO INSTALL CONTROL/POWER OUTLET BOXES AND CONNECT CORD SET TO APPLIANCE
5. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR HANGING THE MENU BOARD LIGHT BOXES ON THE VALANCE WALL AND MAKING THE FINAL ELECTRICAL CONNECTIONS TO THE FLUORESCENT LIGHT FIXTURES INSIDE THE KITCHEN EQUIPMENT INSTALLER IS RESPONSIBLE FOR INSTALLING THE MENU BOARD FRAMES AND FACES ON THE LIGHT BOXES
6. CONDUIT RUNS MAY BE COMBINED EXCEPT WHERE ISOLATED GROUNDS ARE USED
7. INSIDE OF CONDUIT TO BE FREE OF BURRS
8. ALL BENDS IN CONDUIT TO BE 6" RADIUS (MIN)
9. CONDUIT TO HAVE A MAXIMUM OF 4 BENDS TO PREVENT AUDIO CABLE DAMAGE DURING PULLING E C TO PIGTAIL #12 PULL WIRE AT EACH END FOR INSTALLER TO PULL AUDIO CABLE
10. SWITCH AND FACE PLATE FURNISHED AND INSTALLED BY POINT-OF-SALE SYSTEM SUPPLIER
11. ALL ELECTRICAL ROUGH-INS SHOWN ON THIS PLAN SHALL INCLUDE AN INSULATED COPPER EQUIPMENT GROUNDING CONDUCTOR CONTAINED WITHIN THE SAME CONDUIT AS THE CIRCUIT CONDUCTORS THE INSULATED EQUIPMENT GROUNDING CONDUCTOR SHALL BE PROPERLY TERMINATED ON ONE END AT THE EQUIPMENT GROUND BUSS IN THE CORRESPONDING CIRCUIT BREAKER PANEL AND ON THE OTHER END AT THE GROUNDING CONTACT OF A GROUNDING RECEPTACLE OR TO AN EQUIPMENT CABINET AS APPLICABLE ISOLATED GROUND SHALL BE INSTALLED WHERE INDICATED ON PLAN AND SHALL RUN UNSPLICED AND UNBROKEN FROM RECEPTACLE TO ISOLATED GROUND BUSS IN PANEL EP
12. THE RECEPTACLE AND CORD PLUG SET SHALL BE FURNISHED BY K E S INSTALLED BY E C
13. UNDERCOUNTER LIGHTING SUPPLIED BY K E S INSTALLED AND WIRED BY E C D C O 'S FURNISHED INSTALLED AND WIRED BY E C
14. ALL OPTIONAL ROUGH-INS TO BE INSTALLED AS EMPTY CONDUIT FOR COMBINED HOMERUNS CONDUIT SIZED TO ACCOMODATE ADDITIONAL NUMBER & SIZE OF WIRES FOR OPTIONAL EQUIPMENT
15. ELECTRICAL CONTRACTOR MUST INSTALL DROP CORDS SO THAT WITH THE OEP DOOR CLOSED, TOP OF PIN AND SLEEVE CONNECTOR IS 66" AFF DISREGARD MOUNTING HEIGHT ON INSTALLATION DRAWING PACKAGED WITH OEP
16. MINIMUM WIRE SIZE SHALL BE #12 AWG UNLESS OTHERWISE STATED
17. CONDUCTOR INSULATION SHALL BE "THW" TYPE, MOISTURE AND HEAT-RESISTANT THERMO-PLASTIC, 75 DEGREE C TEMP RATED EXCEPT WHERE NOTED (CONDUCTORS SHALL BE COPPER EXCEPT WHERE NOTED)
18. COORDINATE WITH KITCHEN EQUIPMENT SUPPLIER MECHANICAL SUB-CONTRACTOR AND GENERAL CONTRACTOR FOR FINAL CONNECTION REQUIRMENTS BEFORE INSTALLATION OF CONDUIT AND STUB-UP LOCATION
19. CONDUIT SHALL CONFORM TO THE FOLLOWING
    A CONCEALED IN CEILINGS AND PARTITIONS EMT,PVC CONDUIT W/GROUNDING CONDUCTOR
    B CONCEALED IN CONCRETE SLABS-EMT,PVC CONDUIT W/GROUNDING CONDUCTOR
    C UNDERGROUND OR BELOW SLABS- IMC OR RIGID GALV STEEL ,(WHERE CORROSIVE SOIL CONDITIONS EXIST, PVC CONDUIT MAY BE USED OUTSIDE UNDERGROUND)
20. N/A
21. IF OPTIONAL EGG SCRAMBLER IS USED, E C TO FURNISH AND INSTALL HUBBELL RECEPTACLE 420R12W WITH HUBBELL AA20/30 PS ANGLE ADAPTOR

ELECTRICAL SYMBOL LEGEND

- BUZZER BUTTON
- JUNCTION BOX
- 2,4 SPLIT D C O
- DUPLEX CONVENIENCE OUTLET
- OPEN DUPLEX OUTLET BOX
- FOUR PRONG RECEPTACLE 208/3
- SINGLE POLE TOGGLE SWITCH
- (S) STUB
- DISCONNECT SWITCH
- TELEPHONE HANDYBOX
- EQUIPMENT ITEM NUMBER
- CONDUIT RUN
- TWIST-LOCK RECEPTACLE
- JUNCTION BOX WITH (2) D C O 'S
- E C DENOTES ELECTRICAL CONTRACTOR
- W P DENOTES WEATHERPROOF
- K E S KITCHEN EQUIPMENT SUPPLIER
- (B) BUZZER
- CONDUIT HOMERUN, LONG HASHMARK INDICATES "NEUTRAL" CONDUCTOR, SHORT HASHMARK DENOTES "HOT" CONDUCTOR, X DENOTES ISOLATED GROUND WIRE

REV	DATE	DESCRIPTION	BY	ISSUE REF
VIEW CONVENTION	SCALE	UNITS OF MEASURE		INCH

McDonald's®
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

REGISTERED ARCHITECT No. 4456 APPROVED WASH STATE OF WASHINGTON

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE	37-84/89 BASEMENT
DRAWN BY	WKP
DATE DRAWN	30AUG89
DRAWING ID	98M -3784BS
MATERIAL / DESCRIPTION	GAS UTILITIES
CHECKED BY	MAR
DATE CHECKED	30AUG89
APPROVED BY	
DATE APPROVED	01SEP89
ISSUE REF	
DATE ISSUED	01SEP89
LOCAL ADDRESS	

SHEET NO E01

GAS COOKING

M0184 (01SEP89)

CONVEYER STOP/START SWITCH 1/2" CONDUIT TO SWITCH AT OPPOSITE END OF CONVEYER STOP/START SWITCH FURNISHED BY E.C. INSTALLED BY E.C.

CONVEYER

TO AP-2:4

TO AP-3:(4,6) 3/4" CONDUIT (OPTIONAL)3 #8'S PIN SLEEVE RECEPTACLE FOR OPTIONAL WAREWASHER TO BE FURNISHED BY K.E.S. AND INSTALLED BY E.C.

4"X 4"X ." J-BOX

4"X 4"X 4" J-BOX

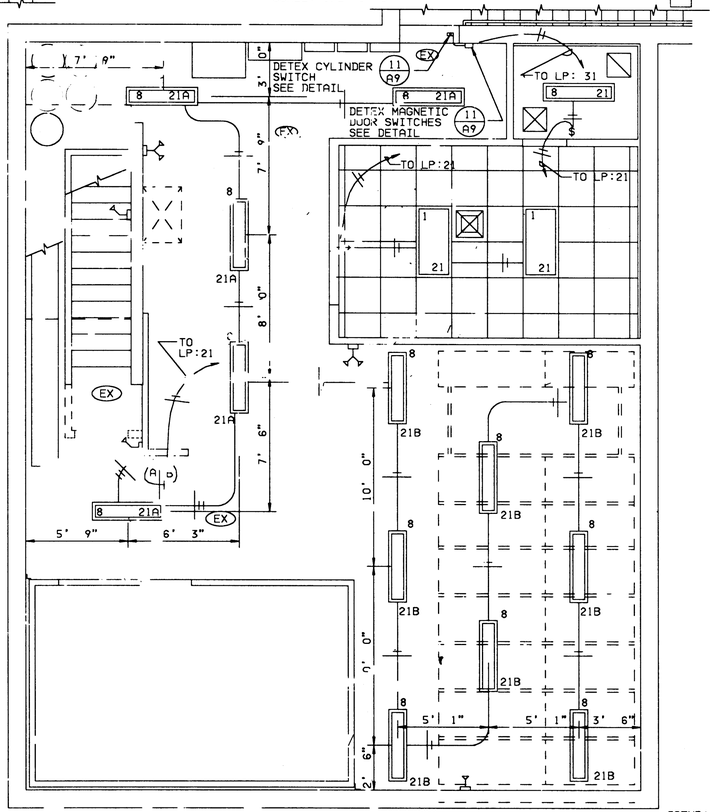
. /2" COND. 2#12 TO ROOF MTD. COMPRESSOR

TO AP-2:(19,21,23) 1 2" COND. 3#12'S IN . . . RECEPTACLE . . ICE MACHINE TO BE FURNISHED BY K.E.S. AND INSTALLED BY E.C.

TO AP-2:5

REAR AREA POWER PLAN

SCALE: 1/2"=1'-0"



BASEMENT REFLECTED CEILING PLAN

SCALE: 1/4"=1'-0"

LEGEND:
- (EX) ILLUMINATED EXIT SIGN
- EMERGENCY LIGHTING (WALL MNTD)
- EMERGENCY LIGHTING (CLG. MNTD)
- (CIRCUIT ALL AS REQ'D)

TO AP-1: 0

TO AP-2:(8,10) (OPTIONAL) 3/4" CONDUIT 3#12'S

SEWAGE EJECTOR PUMP

GENERAL SERVICE MAIN SWITCH WITH C/T COMPARTMENT

"PP" PANEL

AP-1 PANEL

AP-2 PANEL

AP-3 PANEL

TO AP-2:15

TO AP-3:(37,39,41) 1" CONDUIT 3#6'S (FOR USE ONLY IN BUILDINGS WITH ALL ELECTRIC UTILITIES ONLY)

TO AP-2:(7,9,11) 3/4" CONDUIT 4#10'S

TO AP-2:13

TO ROOF MOUNTED COMPRESSER 1/2" CONDUIT 2#12'S E.C. TO FIELD WIRE TO SODA SYSTEM

TO AP-2:6

TO AP-2:25

TO AP-2:27

CONVEYER

TO AP-3:(20,22,24) FROM CONVEYER STOP/START SWITCH

CONVEYER STOP/START SWITCH 1/2" CONDUIT TO SWITCH AT OPPOSITE END OF CONVEYER STOP/START SWITCH FURNISHED BY E.C. INSTALLED BY E.C.

TO AP-3:17 (OPTIONAL)

D.C.O. MOUNTED TO UNDERSIDE OF SLAB(OPTIONAL)

CEILING MOUNTED JUNCTION BOX LIGHT FIXTURES INSIDE COOLER FURNISHED BY K.E.S., INSTALLED BY E.C. E.C. ALSO TO FURNISH AND INSTALL NECESSARY CONDUIT & WIRING FOR LIGHT FIXTURES.

TO AP-2:1

1" CONDUIT

1" CONDUIT TO ROOF MOUNTED COMPRESSOR. VERIFY SIZE AND NUMBER OF WIRES W/ K.E.S.

ALARM THERMOSTAT FURNISHED BY K.E.S. INSTALLED BY E.C.. (INSIDE FREEZER)

EVAPORATOR

FREEZER

BELL WIRE FURNISHED BY K.E.S. INSTALLED BY E.C. TO ALARM IN OFFICE

BASEMENT AREA POWER PLAN

SCALE: 1 2"= 1'-0"

REV	DATE	DESCRIPTION	BY
1	01FEB'90	CODE UPDATE & STRUCTURAL CHANGES	JJC

SCALE 1/2"=1'-0"

UNITS OF MEASURE

ISSUE REF

DK

REGISTERED ARCHITECT DONALD LEWIS ANDOVER MAINE No. 4496 COMMONWEALTH OF MASSACHUSETTS

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 521

TITLE 37-84,89 BASEMENT

DRAWN BY JJC

MATERIAL / DESCRIPTION

DATE CHECKED 30AUG89

DATE APPROVED

DATE ISSUED 6SEP

LOCAL ADDRESS

DATE 30AUG89

REAR AREA POWER PLAN

BASEMENT POWER PLAN

CHECKED BY

APPROVED

REF

ISSUED

DRAWING NO. 98K -3784BS

SHEET NO. E02

McD.L.4 (01FEB')

APPROVED ELECTRICAL PANEL ALTERNATES

PANEL	ITE	SQUARE "D"	G E	CUTLER HAMMER	WESTINGHOUSE
PP	CDP-7	I-LINE	NAB	MP 40	CDP
EP, LP, AP-1 AP-2, AP-3	CDP-7/NLAB	NQOD	NLAB	CHB	B10B

APPROVED SUPPLIERS OF MODULAR SWITCHGEAR DISTRIBUTION PANELS

1. JOHN D MILLERIN, INC
   1322 CATON AVE P O BOX 3245 JOLIET, ILLINOIS 60434 (815)741-1765
2. CUTLER HAMMER PRODUCTS
   1240 WEST NORTHWEST HIGHWAY PALATINE, ILLINOIS 60067 (312)991-5588

MAIN

SPACE	1	SPACE	20A-1P	5	POS SYSTEM
SPACE	2	SPACE	20A-1P	6	TIME RECORDER
SPACE	3	SPACE	20A-1P	7	T I TERMINAL
SPACE	4	SPACE	SPACE	8	SPACE

EP PANEL -SEE NOTE 6

100 AMP, 208Y/120V, 1 PHASE 3 WIRE
SOLID NEUTRAL, MAIN BREAKER, FLUSH MOUNTED, 14 INCH WIDE CABINET

LP PANEL -SEE NOTE 6

225 AMPS, 208Y/120V, 3 PHASE, 4 WIRE, SOLID NEUTRAL MAIN LUGS ONLY FLUSH MOUNTED

NOTE THE FOLLOWING CIRCUITS TO HAVE LOCK ON CIRCUIT BREAKER HANDLE 13,31 & 38,40

* SEE NOTE ON SHEET E4 FOR ROAD SIGN CIRCUIT REQUIREMENT

S N

KITCHEN / OFFICE	1	20A-1P	•	2	ROAD SIGN
TOILETS	3	20A-1P		4	
SPARE	5	20A-1P	20A-1P	6	FASCIA SIGN
DINING AREA	7	20A-1P	SPARE	8	
	9	20A-1P	SPARE	10	POST SIGN
CUSTOMER SERVICE/KIT	11	20A-1P	SPARE	12	
NIGHT LIGHTS	13	20A-1P	SPARE	14	
STORAGE / PREP	15	20A-1P	20A-1P	16	
SPARES	17	20A-1P	20A-1P	18	
	19	20A-1P	20A-1P	20	SOFFIT LIGHTS
BASEMENT LIGHTING	21	20A-1P	20A-1P	22	
DINING AREA RECEPTACLE	23	20A-1P	20A-2P	24	
	25	20A-2P		26	
FLAG POLE	27		20A-2P	28	
ROAD SIGN BASE D C O	29	20A-1P		30	LOT LIGHTS
SEC LTS & DR ALARM	31	20A-1P	20A-2P	32	
OUTDOOR MENU BD LTS	33	20A-1P		34	
GRILL OUTLET BOX	35	20A-1P	20A-1P	36	ROOF RECEPTACLE
CLAM GRILL OUTLET BOX	37	20A-1P	20A-1P	38	SPARE (OPT LIGHTING CONTROL PANEL)
FRENCH FRYER OUTLET	39	20A-1P	20A-1P	40	AUTO AIR BALANCE CONTROL PANEL
FILET FRYER OUTLET	41	20A-1P	20A-1P	42	RESTROOM EXHAUST FAN

PANEL AP-1 -SEE NOTE 6

225 AMPS, 208Y/120V, 3 PHASE, 4 WIRE, SOLID NEUTRAL MAIN LUGS ONLY SURFACE MOUNTED

NOTE THE FOLLOWING CIRCUITS TO HAVE LOCK ON CIRCUIT BREAKER HANDLE 40

S N

MENU BOARD	1	20A-1P	20A-1P	2	D/T SODA TOWER
BISCUIT SINK/ COFFEE REFILL	3	20A-1P	20A-1P	4	OPT D/T COFFEE WARMER
	5	20A-1P	20A-2P	6	D/T COFFEE MAKER
FUTURE CENTER ISLAND STUB (OPT SHAKE MACHINE)	7	20A-1P		8	
	9	20A-1P	20A-1P	10	FAT FILTER
SPARE	11	20A-2P	20A-1P	12	FRY STATION HEATERS
	13		20A-1P	14	FRY STATION FREEZER BASE
OPT 2ND BISCUIT OVEN	15	30A-3P	20A-1P	16	FREEZER, TIMER, HOLDING CAB
	17		20A-1P	18	FREEZER, COMPUTERS, FILTER
	19	20A-1P	20A-1P	20	
CLAM GRILL STATION	21	20A-1P	20A-1P	22	STEAMERS
	23	20A-1P	20A-1P	24	REACH-IN REFRIGERATOR
	25	20A-1P	20A-1P	26	D/T WINDOW & OPT CHANGE DISPLAY
FLAT GRILL STATION	27	20A-1P		28	
	29	20A-1P	•-2P	30	D/T CEILING HTR
	31			32	
OPTIONAL HOT CAKE	33	40A-3P	•-2P	34	D/T CEILING HTR
	35		20A-1P	36	COIN CHANGER
	37		20A-1P	38	D/T WINDOW
BISCUIT OVEN	39	30A-3P	20A-1P	40	EJECTOR PUMP
	41		20A-1P	42	SPARE

• SEE TABLE ON SHEET E-4

PANEL AP-2 -SEE NOTE 6

225 AMPS, 208Y/120V, 3 PHASE, 4 WIRE SOLID NEUTRAL MAIN LUGS ONLY SURFACE MOUNTED

NOTE THE FOLLOWING CIRCUITS TO HAVE LOCK ON CIRCUIT BREAKER HANDLE 1,2,13, (20,22,24), 35

S N

WALK-IN FREEZER	1	20A-1P	20A-1P	2	WALK-IN COOLER
FUTURE PLAYLAND	3	20A-1P	20A-1P	4	PREP CONV OUTLET
OPT TOPPING•WARM CAB	5	20A-1P	20A-1P	6	CLOTHES WASHER
	7			8	
SODA SYSTEM	9	30A-3P	20A-2P	10	OPT CLEAN-IN-PLACE UNIT
	11		20A-1P	12	
SODA ICE BANK ALARM	13	20A-1P	20A-1P	14	HAND DRYERS
WATER SOFTENER	15	20A-1P	20A-1P	16	
DOOR BUZZER/ FREEZER ALARM	17	20A-1P	20A-1P	18	
	19			20	
ICE MACHINE	21	20A-3P	40A-3P	22	MAC 6H
	23			24	
CREW ROOM CONVENIENCE	25	20A-1P	20A-1P	26	REGULAR TOASTER
CREW ROOM VIDEO	27	20A-1P	30A-2P	28	MUFFIN TOASTER
OFFICE CONV OUTLETS	29	20A-1P		30	
FLR LIGHT & ADD MACH	31	20A-1P	20A-2P	32	MAC TOASTER
OPTIONAL CCTV MONITOR	33	20A-1P		34	
D/T AUDIO	35	20A-1P	20A-2P	36	BISCUIT HOLDING CABINET
	37			38	
FLAT GRILL	39	60A-3P	20A-1P	40	QUARTER POUNDER TOASTER
	41		20A-1P	42	McDLT TOASTER

NOTES

1. ALL BREAKERS SHALL BE THE BOLT-ON TYPE
2. PROVIDE THREE 3/4" EMPTY CONDUITS FROM PANELS LP, AP-1 AP-2 AND AP-3 UP TO THE ATTIC SPACE AND CAPPED FOR FUTURE USE
3. ALL CONDUIT TO BE 1/2" UNLESS OTHERWISE NOTED
4. MAIN INCOMING SERVICE CABINET AND SWITCH MUST BE BRACED FOR THE HIGHEST AVAILABLE SHORT CIRCUIT CURRENT BUT NOT LESS THAN NEMA SYMMETRICAL RMS OF 42,000 AMPS
5. BRANCH BREAKERS OF 2P AND 3P CONFIGURATION TO HAVE A COMMON TRIP
6. BRANCH BREAKERS IN DISTRIBUTION PANELS EP, LP AP-1, AP-2 AND AP-3 TO HAVE A NEMA SYMMETRICAL RMS RATING OF 10,000 AMPS BREAKERS IN PP PANEL TO HAVE A NEMA SYMMETRICAL RMS RATING OF 18,000 AMPS OR THE MAXIMUM AVAILABLE FAULT CURRENT AT THE MAIN SERVICE DISCONNECT WHICHEVER IS GREATER ALSO, ALL CIRCUIT BREAKERS IN PANELS EP, LP, AP-1, AP-2 AND AP-3 SHALL BE SERIES RATED WITH THE CIRCUIT BREAKERS IN PANEL PP SO THAT ALL CIRCUIT BREAKERS IN ALL PANELS ARE PROTECTED AGAINST THE MAXIMUM AVAILABLE FAULT CURRENT AT THE MAIN SERVICE DISCONNECT
7. ELECTRICAL CONTRACTOR SHALL ARRANGE WITH THE ELECTRIC AND TELEPHONE UTILITY COMPANIES FOR INCOMING SERVICE REQUIRMENTS AND INCLUDE ALL COSTS IN BASE BID
8. ALL CIRCUIT BREAKERS USED TO SWITCH LIGHT FIXTURES SHALL BE APPROVED FOR THE PURPOSE AND MARKED "SWD"
9. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE PROPER IDENTIFICATION AND LABELING OF ALL CIRCUIT BREAKERS EACH PANEL WILL BE PROVIDED WITH A TYPEWRITTEN CIRCUIT DIRECTORY
10. ALL PANELS WILL BE PROVIDED WITH A COMBINATION LOCK AND LATCH EACH PANEL SHALL HAVE TWO KEYS WITH ALL PANELS KEYED ALIKE
11. INCOMING SERVICE SHALL BE 208Y/120V, 3 PHASE, 4 WIRE ANY OTHER KIND OF SERVICE SHALL NOT BE PERMITTED UNLESS APPROVED IN WRITING BY THE MCDONALD'S CORPORATION
12. ALL ELECTRICAL MATERIAL USED ON THIS PROJECT MUST BE "UL" LISTED AND LABELED
13. ELECTRICAL SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR BALANCING THE LOADS ON ALL PANELS

LP PANEL	1	150A-3P	150A-3P	2	AP-1
CENTER ISLAND	3	50A-3P	150A-3P	4	AP-2
EP PANEL	5	60A-2P	150A-3P	6	AP-3
CLAM GRILL	7	50A-3P	50A-3P	8	CLAM GRILL
CLAM GRILL	9	50A-3P	50A-3P	10	CLAM GRILL
UNIT K-1	11	~~YORK 80A-3P~~ AAUN 110A 3P	~~YORK 70A-3P~~ AAON 80A 3P	12	UNIT D-1
UNIT K-2	13	~~YORK 40A-3P~~ AAUN 50A 3P	~~YORK 50A-3P~~ AAON 80A 3P	14	UNIT D-2 OR D2XT (SEE NOTE BELOW)

PANEL PP -SEE NOTE 6

800 AMP, 208Y/120V, 3 PHASE 4 WIRE
MAIN LUGS ONLY, SURFACE MOUNTED

NOTE FOR EXTREME TEMPERATURE BUILDING, WITH AAON UNIT D2XT IS 8 TON REQUIRING 70A-3P BREAKER

TOTAL GENERAL SERVICE BUILDING POWER TABULATION 208Y/120V, 3 PHASE, 4 WIRE

	CONNECTED KW	DEMAND KW	DEMAND AMPS
LIGHTING, RECEPTACLES & EXHAUST FANS	33	33	92
KITCHEN APPLIANCES	239	155	432
H V A C (EXTREME TEMP)	79	79	220
GENERAL SERVICE TOTAL	351	267	744

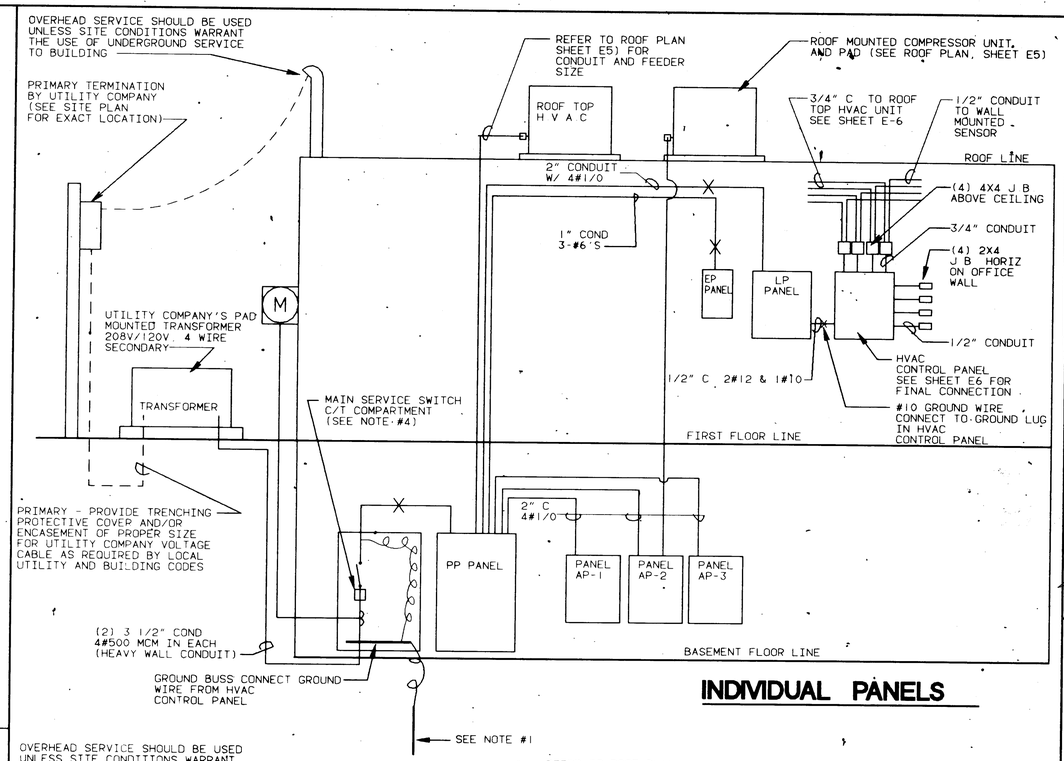
PANEL AP-3 -SEE NOTE 6

225 AMPS, 208Y/120V, 3 PHASE, 4 WIRE SOLID NEUTRAL MAIN LUGS ONLY SURFACE MOUNTED

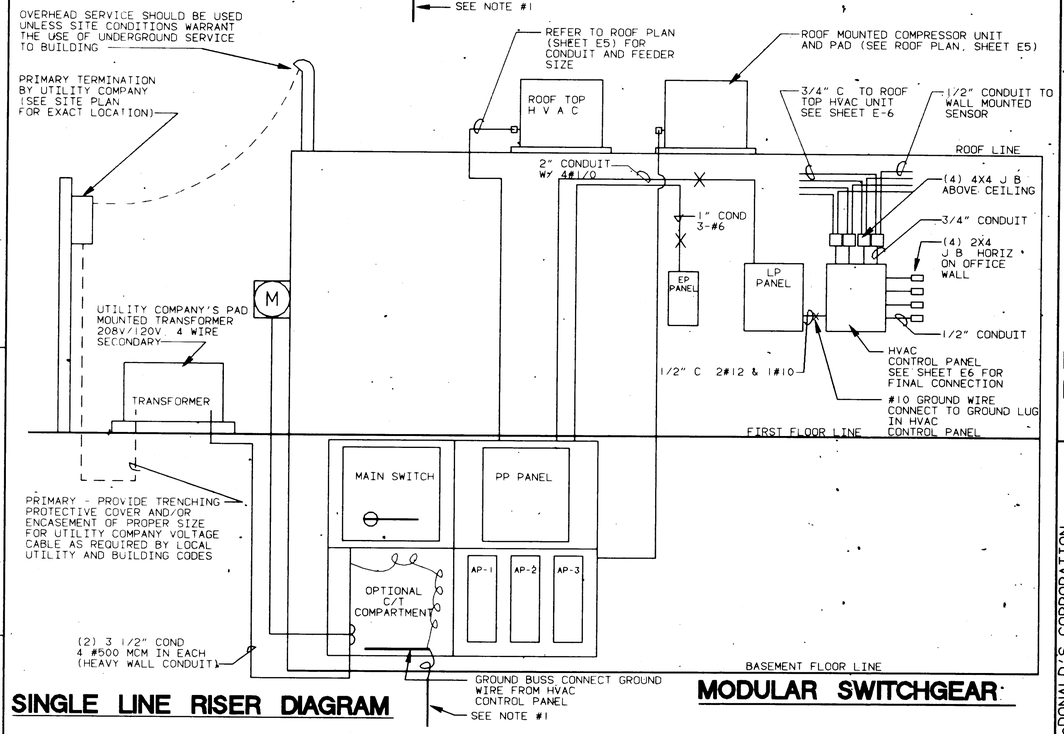
NOTE THE FOLLOWING CIRCUITS TO HAVE LOCK ON CIRCUIT BREAKER HANDLE NONE

S N

	1	20A-2P	20A-1P	2	OPT MARINATOR
OPT EGG SCRAMBLER	3		50A-2P	4	OPT WAREWASHER
OPT REACH-IN REFRIG	5	20A-1P		6	
OPT WARM-UP TOASTER	7	20A-1P	20A-1P	8	
	9	30A-2P		10	SPARES
OPT 2ND MUFFIN TOASTER	11		20A-2P	12	OPT EGG COOKER
	13	20A-2P		14	
OPT MAC TOASTER	15		20A-2P	16	OPT EGG COOKER
OPT TOMATO COOLER	17	20A-1P		18	
	19	20A-1P		20	
SPARES	21	20A-1P	30A-3P	22	CONVEYER
	23	20A-1P		24	


OVERHEAD SERVICE SHOULD BE USED UNLESS SITE CONDITIONS WARRANT THE USE OF UNDERGROUND SERVICE TO BUILDING
PRIMARY TERMINATION BY UTILITY COMPANY (SEE SITE PLAN FOR EXACT LOCATION)
REFER TO ROOF PLAN SHEET E5) FOR CONDUIT AND FEEDER SIZE
ROOF MOUNTED COMPRESSOR UNIT AND PAD (SEE ROOF PLAN, SHEET E5)
ROOF TOP H V A C
3/4" C TO ROOF TOP HVAC UNIT SEE SHEET E-6
1/2" CONDUIT TO WALL MOUNTED SENSOR
ROOF LINE
2" CONDUIT W/ 4#1/0
(4) 4X4 J B ABOVE CEILING
1" COND 3-#6'S
3/4" CONDUIT
(4) 2X4 J B HORIZ ON OFFICE WALL
EP PANEL
LP PANEL
UTILITY COMPANY'S PAD MOUNTED TRANSFORMER 208Y/120V, 4 WIRE SECONDARY
M
1/2" CONDUIT
1/2" C, 2#12 & 1#10
HVAC CONTROL PANEL SEE SHEET E6 FOR FINAL CONNECTION
#10 GROUND WIRE CONNECT TO GROUND LUG IN HVAC CONTROL PANEL
TRANSFORMER
MAIN SERVICE SWITCH C/T COMPARTMENT (SEE NOTE #4)
FIRST FLOOR LINE
PRIMARY - PROVIDE TRENCHING PROTECTIVE COVER AND/OR ENCASEMENT OF PROPER SIZE FOR UTILITY COMPANY VOLTAGE CABLE AS REQUIRED BY LOCAL UTILITY AND BUILDING CODES
2" C 4#1/0
PP PANEL
PANEL AP-1
PANEL AP-2
PANEL AP-3
(2) 3 1/2" COND 4 #500 MCM IN EACH (HEAVY WALL CONDUIT)
BASEMENT FLOOR LINE
GROUND BUSS CONNECT GROUND WIRE FROM HVAC CONTROL PANEL
SEE NOTE #1

INDIVIDUAL PANELS


OVERHEAD SERVICE SHOULD BE USED UNLESS SITE CONDITIONS WARRANT THE USE OF UNDERGROUND SERVICE TO BUILDING
PRIMARY TERMINATION BY UTILITY COMPANY (SEE SITE PLAN FOR EXACT LOCATION)
REFER TO ROOF PLAN (SHEET E5) FOR CONDUIT AND FEEDER SIZE
ROOF MOUNTED COMPRESSOR UNIT AND PAD (SEE ROOF PLAN, SHEET E5)
ROOF TOP H V A C
3/4" C TO ROOF TOP HVAC UNIT SEE SHEET E-6
1/2" CONDUIT TO WALL MOUNTED SENSOR
ROOF LINE
2" CONDUIT W/ 4#1/0
(4) 4X4 J B ABOVE CEILING
1" COND 3-#6
3/4" CONDUIT
(4) 2X4 J B HORIZ ON OFFICE WALL
EP PANEL
LP PANEL
UTILITY COMPANY'S PAD MOUNTED TRANSFORMER 208Y/120V, 4 WIRE SECONDARY
M
1/2" CONDUIT
1/2" C 2#12 & 1#10
HVAC CONTROL PANEL SEE SHEET E6 FOR FINAL CONNECTION
#10 GROUND WIRE CONNECT TO GROUND LUG IN HVAC CONTROL PANEL
TRANSFORMER
FIRST FLOOR LINE
PRIMARY - PROVIDE TRENCHING PROTECTIVE COVER AND/OR ENCASEMENT OF PROPER SIZE FOR UTILITY COMPANY VOLTAGE CABLE AS REQUIRED BY LOCAL UTILITY AND BUILDING CODES
MAIN SWITCH
PP PANEL
OPTIONAL C/T COMPARTMENT
AP-1
AP-2
AP-3
(2) 3 1/2" COND 4 #500 MCM IN EACH (HEAVY WALL CONDUIT)
BASEMENT FLOOR LINE
GROUND BUSS CONNECT GROUND WIRE FROM HVAC CONTROL PANEL
SEE NOTE #1

SINGLE LINE RISER DIAGRAM

MODULAR SWITCHGEAR

NOTES

1. CONNECT CODE GROUND WIRE TO DRIVEN ROD IN VICINITY OF MAIN SWITCH GROUNDING ELECTRODE SYSTEM SHALL COMPLY WITH NEC ARTICLE 250, PART H
2. THE CONTRACTOR SHALL OBTAIN AVAILABLE SHORT CIRCUIT CURRENT FROM THE LOCAL UTILITY COMPANY AND SHALL PROVIDE PROTECTION AS REQUIRED FOR MAIN SWITCH AND ALL CIRCUIT BREAKERS CONTRACTOR SHALL ADVISE MCDONALDS CORPORATION, IN WRITING, THE AMOUNT OF AVAILABLE FAULT CURRENT.
3. CONTRACTOR SHALL VERIFY EXACT METHODS AND REQUIREMENTS FOR ELECTRICAL SERVICE WITH LOCAL UTILITY COMPANY
4. 800 AMP 3 POLE MAIN FUSED BOLTED PRESSURE CONTACT SWITCH, LISTED UNDER UL977 FOR OPERATION AT 100% OF IT'S RATING FUSES TO BE BUSS LIMITRON KTU 800 OR GOULD SHAWMUT A4BY800 EXCEPT WHERE ADDITIONAL PROTECTION IS REQUIRED BY NOTE #2
5. ALUMINUM CONDUCTORS MAY BE USED AS SERVICE CONDUCTORS ONLY WHERE SUCH SERVICE CONDUCTORS ARE FURNISHED AND INSTALLED BY THE LOCAL ELECTRIC UTILITY COMPANY
6. IF OPTIONAL HEAT RECOVERY UNIT IS USED SEE SHEET E6HR
7. ALLOW HIGH PRESSURE CONTACT SWITCH AS AN ALTERNATE TO BOLTED PRESSURE CONTACT SWITCH

REV	DATE	DESCRIPTION	BY
1	6-11-90	LP PANEL (AP) INTERSECT LIGHTS	ISSUED REF

UNITS OF MEASURE: INCH
SCALE
VIEW CONVENTION

REGISTERED ARCHITECT — STATE OF MARYLAND — No. 4436 — RICHARD MABB

mcDonald's®
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

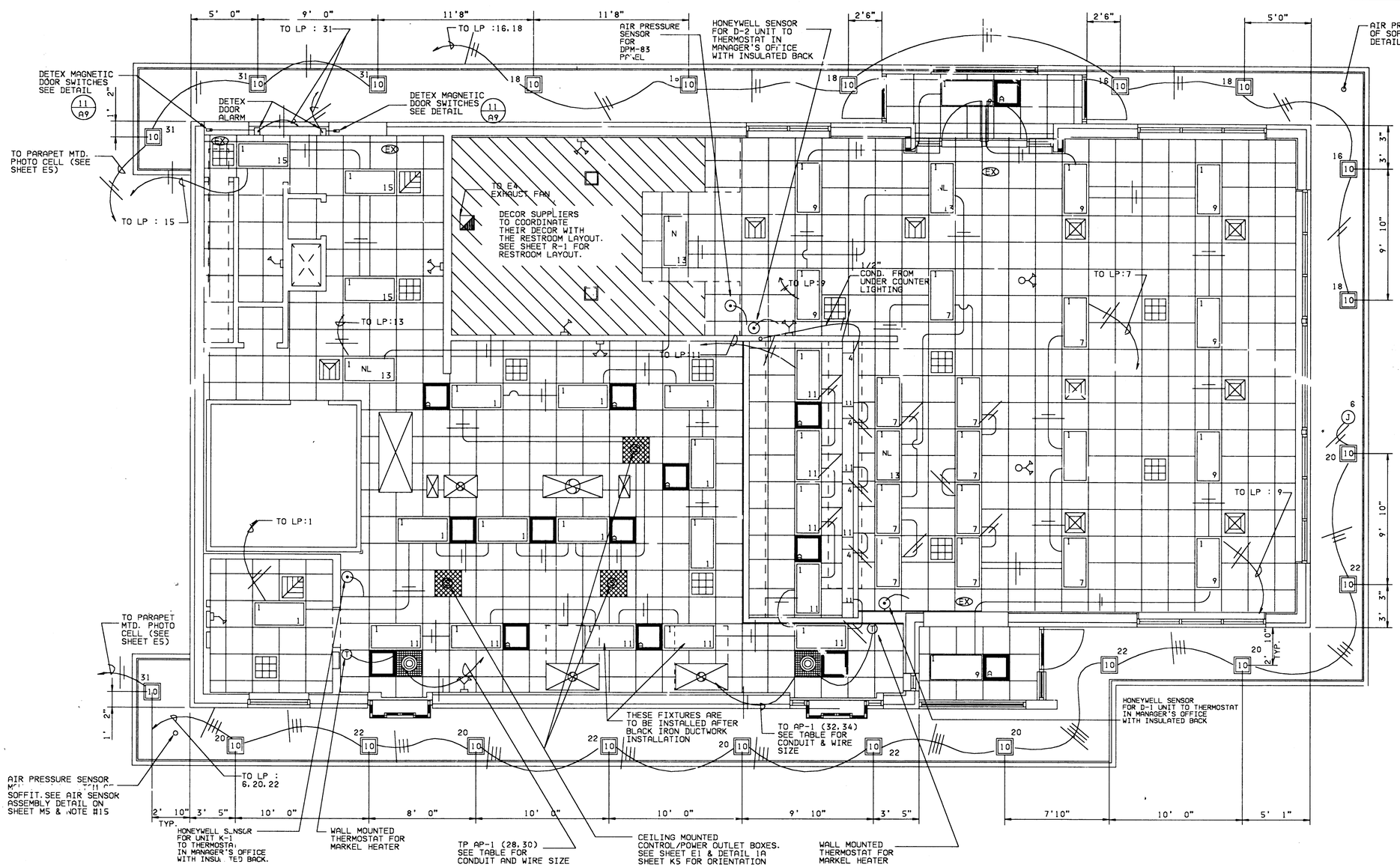
McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE	37-84/89 BASEMENT
MATERIAL / DESCRIPTION	GAS UTILITIES
DRAWN BY	WWP
DATE DRAWN	03SEP89
DRAWING NO	98M -3784BS
CHECKED BY	MARM/K
APPROVED BY	
DATE CHECKED	30AUG89
DATE APPROVED	01SEP89
DATE ISSUED	01SEP89
ISSUE REF	—

SHEET NO E0.3

GAS COOKING, GAS HVAC

M2184 (4183BS)


5' 0"
9' 0"
11'8"
11'8"
2'6"
2'6"
5'0"
TO LP : 31
TO LP :16.18
AIR PRESSURE SENSOR FOR DPM-83 PANEL
HONEYWELL SENSOR FOR D-2 UNIT TO THERMOSTAT IN MANAGER'S OFFICE WITH INSULATED BACK
AIR PRESSURE SENSOR MOUNTED IN BOTTOM OF SOFFIT. SEE AIR SENSOR ASSEMBLY DETAIL ON SHEET M5 & NOTE #15
DETEX MAGNETIC DOOR SWITCHES SEE DETAIL 11/A9
DETEX DOOR ALARM
DETEX MAGNETIC DOOR SWITCHES SEE DETAIL 11/A9
TO PARAPET MTD. PHOTO CELL (SEE SHEET E5)
TO LP : 15
TO E4 EXHAUST FAN
DECOR SUPPLIERS TO COORDINATE THEIR DECOR WITH THE RESTROOM LAYOUT. SEE SHEET R-1 FOR RESTROOM LAYOUT.
TO LP:13
TO LP:11
TO LP:9
1/2" COND. FROM UNDER COUNTER LIGHTING
TO LP:7
TO LP : 9
TO LP:1
TO PARAPET MTD. PHOTO CELL (SEE SHEET E5)
THESE FIXTURES ARE TO BE INSTALLED AFTER BLACK IRON DUCTWORK INSTALLATION
TO AP-1 (32.34) SEE TABLE FOR CONDUIT & WIRE SIZE
HONEYWELL SENSOR FOR D-1 UNIT TO THERMOSTAT IN MANAGER'S OFFICE WITH INSULATED BACK
AIR PRESSURE SENSOR MOUNTED IN BOTTOM OF SOFFIT. SEE AIR SENSOR ASSEMBLY DETAIL ON SHEET M5 & NOTE #15
TO LP : 6.20.22
2' 10"
3' 5"
10' 0"
8' 0"
10' 0"
10' 0"
9' 10"
3' 5"
7'10"
10' 0"
5' 1"
TYP. 2' 10"
3' 3"
9' 10"
3' 3"
HONEYWELL SENSOR FOR UNIT K-1 TO THERMOSTAT IN MANAGER'S OFFICE WITH INSULATED BACK.
WALL MOUNTED THERMOSTAT FOR MARKEL HEATER
TP AP-1 (28.30) SEE TABLE FOR CONDUIT AND WIRE SIZE
CEILING MOUNTED CONTROL/POWER OUTLET BOXES. SEE SHEET E1 & DETAIL 1A SHEET K5 FOR ORIENTATION
WALL MOUNTED THERMOSTAT FOR MARKEL HEATER

NOTES

1. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL FIXTURE DIMENSIONS SHOWN ON THIS PLAN TO VERIFY THAT THESE FIXTURES DO NOT OBSTRUCT OR CONFLICT WITH THE WORK OF THE OTHER TRADES. IF A DISCREPANCY IS FOUND, THE ELECTRICAL CONTRACTOR SHALL IMMEDIATELY NOTIFY THE GENERAL CONTRACTOR BEFORE THE INSTALLATION OF SUCH FIXTURE(S).
2. ALL SOFFIT LIGHTING FIXTURES SHALL BE 2'-10" TO THE CENTER LINE OF FIXTURE FROM BUILDING.
3. BRANCH TO DETEX MODEL #EA2510F DOOR ALARM. LOCATED 54" A.F.F. SEE 11/A9
4. EXIT SIGNS AND BATTERY LIGHT UNITS ARE NOT SHOWN. ELECTRICAL CONTRACTOR SHALL CONTACT LOCAL INSPECTION AUTHORITIES FOR ALL REQUIREMENTS AND LOCATIONS. INCLUDE ALL COSTS INTO BASE BID.
5. CEILING INSTALLER: CEILING GRID MUST MATCH JOIST SPACING. SEE SHEET S1.
6. WALL MOUNTED THERMOSTAT: ELECTRICAL CONTRACTOR MUST PROVIDE 1/2" CONDUIT FROM JUNCTION BOX ABOVE CEILING DOWN TO THERMOSTAT MOUNTED @ 5'-8" A.F.F.
7. CEILING TILES IN AREAS WHERE THE KITCHEN EQUIPMENT PENETRATES THE CEILING SHOULD BE LEFT OUT UNTIL AFTER THE INSTALLATION OF THE KITCHEN EQUIPMENT.
8. ELECTRICAL CONTRACTOR TO VERIFY THAT NOT MORE THAN 5% VOLTAGE DROP EXISTS FROM LIGHTING PANEL TO ANY EXTERIOR LIGHTING FIXTURE LAMP OR SIGNAGE LAMP.
9. LIGHTING FIXTURES AND LAMPS HAVE BEEN CHOSEN TO ACHIEVE MAXIMUM ENERGY CONSERVATION WHILE MAINTAINING ADEQUATE LEVEL OF ILLUMINATION. LAMP SPECIFICATIONS MUST BE STRICTLY FOLLOWED. ANY DEVIATION FROM LAMP SPECIFICATIONS MUST BE APPROVED IN WRITING BY THE MCDONALD'S CORPORATION. SEE SHEET E8 FOR SPECIFICATIONS
10. PROVIDE A WEATHERPROOF JUNCTION BOX IN PARAPET WITH SEALTITE CONDUIT AND CONDUCTORS. FINAL CONNECTION BY OTHERS FOR FASCIA SIGN.
11. CEILING TILE INSTALLER SHOULD LEAVE OUT CEILING TILE IN AREAS OF THE KITCHEN REFRIGERATION LINES UNTIL THE LINES HAVE BEEN INSTALLED. THE CEILING TILE INSTALLER IS TO RETURN AND INSTALL THE TILES AFTER THE THE REFIGERATION LINES HAVE BEEN INSTALLED AND TESTED.
12. USE 2 X 4 METAL GRID AND 2 X 4 VINYLROCK CEILING TILES IN STORAGE AREA ONLY.
13. ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF ALL SOFFIT LIGHTS (FIXTURE NO. 10) WITH MC DONALDS CONSTRUCTION ENGINEER TO AVOID INTERFERENCE WITH ANY CORBELS, BEAMS OR OTHER SPECIAL EXTERIOR TREATMENTS. INSTALL LIGHT FIXTURES WITH CORRECT ORIENTATION PER INSTRUCTIONS PACKAGED WITH THE FIXTURE. SEE DETAIL THIS SHEET.
14. SEE SHEET M1 FOR SENSORS AND OPTIONAL HEAT RECOVERY CONTROL THERMOSTATS.
15. SENSOR AND PNEUMATIC TUBING TO BE INSTALLED BY THE ELECTRICAL CONTRACTOR. SEE SPECS 158-98.
16. ELECTRICAL CONTRACTOR TO COMPLETELY STUFF J-BOXES FOR WALL MOUNTED TEMPERATURE SENSORS WITH SCRAP PIECES OF FIBERGLASS INSULATION. ALL TEMPERATURE SENSORS MUST BE MOUNTED ON THE WOOD BASE WHICH HAS BEEN PROVIDED IN THE HVAC PACKAGE. SEE SHEET M5 FOR SENSOR MOUNTING DETAIL.
17. WHEN WIRING FOR PROGRAMMABLE THERMOSTATS AND REMOTE SENSORS IS NOT IN A CONDUIT, THE WIRING SHALL BE RUN TO THE UNDERSIDE OF THE ROOF DECK. NONE OF THE WIRING SHOULD BE ROUTED OVER FLUORESCENT BALLAST, POWER BOXES, OR IN A CONDUIT WITH LINE VOLTAGE WIRING AS ELECTRICAL INTERFERENCE (NOISE) WILL CAUSE ERRATIC CONTROL OPERATION.
18. THE USE OF "BX" WHERE PERMITTED BY LOCAL CODES WILL BE ALLOWED FOR FINAL CONNECTION FROM THE LAST J.B. TO THE LIGHTING FIXTURE. "ROMEX" IS NOT ACCEPTABLE.
19. CEILING MOUNTED FLUORESCENT LIGHT FIXTURES SHALL BE PROPERLY SUPPORTED BY WIRES FROM ALL FOUR CORNERS OF LIGHT FIXTURE TO ROOF TRUSSES ABOVE.

SIGNAGE WIRING

MCDONALD'S FASCIA SIGN:
(1) 20 AMP 120 VOLT CIRCUIT

MCDONALD'S ROAD SIGN:
(1) 30 AMP 120/208 1 PHASE CIRCUIT #8 WIRE TO ALL SIGNS EXCEPT EXPANDED CABINET. FOR 70-200 EXPANDED CABINET. (1) 60 AMP 120/208 1 PHASE CIRCUIT, #6 WIRE. (INCREASE WIRE SIZE AND CONDUIT SIZE AS RECOMMENDED BY SIGN MANUFACTURER TO SATISFY NOTE #8

(1) 20 AMP 208 VOLT CIRCUIT ELECTRICAL CONTRACTOR TO WIRE 2 #12 TO 240 VOLT FLAG FLOODLIGHTS

(1) 20 AMP 120 VOLT CIRCUIT (LP:29) TO D.C.O. IN ROAD SIGN BASE

LEGEND:
- (EX) ILLUMINATED EXIT SIGN
- EMERGENCY LIGHTING (WALL MNTD)
- EMERGENCY LIGHTING (CLG. MNTD)
- (CIRCUIT ALL AS REQ'D)

DENOTES FIXTURE TYPE (SEE SHEET E4)
DENOTES NIGHT LIGHT
DENOTES CIRCUIT NO.

MARKEL CEILING HEATER ELECTRICAL REQUIREMENTS

HEATER * SIZE	CONDUIT AND WIRE SIZE	CIRCUIT BREAKER SIZE	VOLTAGE AVAILABLE
2 KW	1/2"-2 #12	20A-2P	208.240VOLT. SINGLE PHASE
3 KW	1/2"-2 #12	20A-2P	208.240VOLT. SINGLE PHASE
4 KW	1/2"-2 #10	30A-2P	208.240VOLT. SINGLE PHASE

* SEE SHEET M2 FOR HEATER SIZE SELECTION

AVERAGE INITIAL FOOTCANDLE SCHEDULE

DINING AREA	60 FOOTCANDLES
KITCHEN	150 FOOTCANDLES
STORAGE	50 FOOTCANDLES
CUSTOMER SERVICE AREA	185 FOOTCANDLES
RESTROOMS	60 FOOTCANDLES

REV	DATE	DESCRIPTION	BY	ISSUE P.O.#
1	01FEB90	CODE UPDATE & STRUCTURAL CHANGES	JJC	-/-

SCALE: 1/4" = 1'-0" UNITS OF MEASURE: INCH

REVIEWED BY: MASSACHUSETTS REGISTERED ARCHITECTS BOARD, No. 4496, COMMONWEALTH OF MASSACHUSETTS

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

McDONALD'S CORPORATION
ARGO DRIVE
JAK BROOK, ILLINOIS 60521

TITLE: 37-84/89 BASEMENT

DRAWN BY	MATERIAL / DESCRIPTION	CHECKED BY	DATE CHECKED
MSK		MAR	30AUG89
DATE DRAWN		APPROVED BY	DATE APPROVED
XXX			30AUG89
DRAWING ID		ISSUE REF	DATE ISSUED
9BM-37848S		-/-	01SEP89

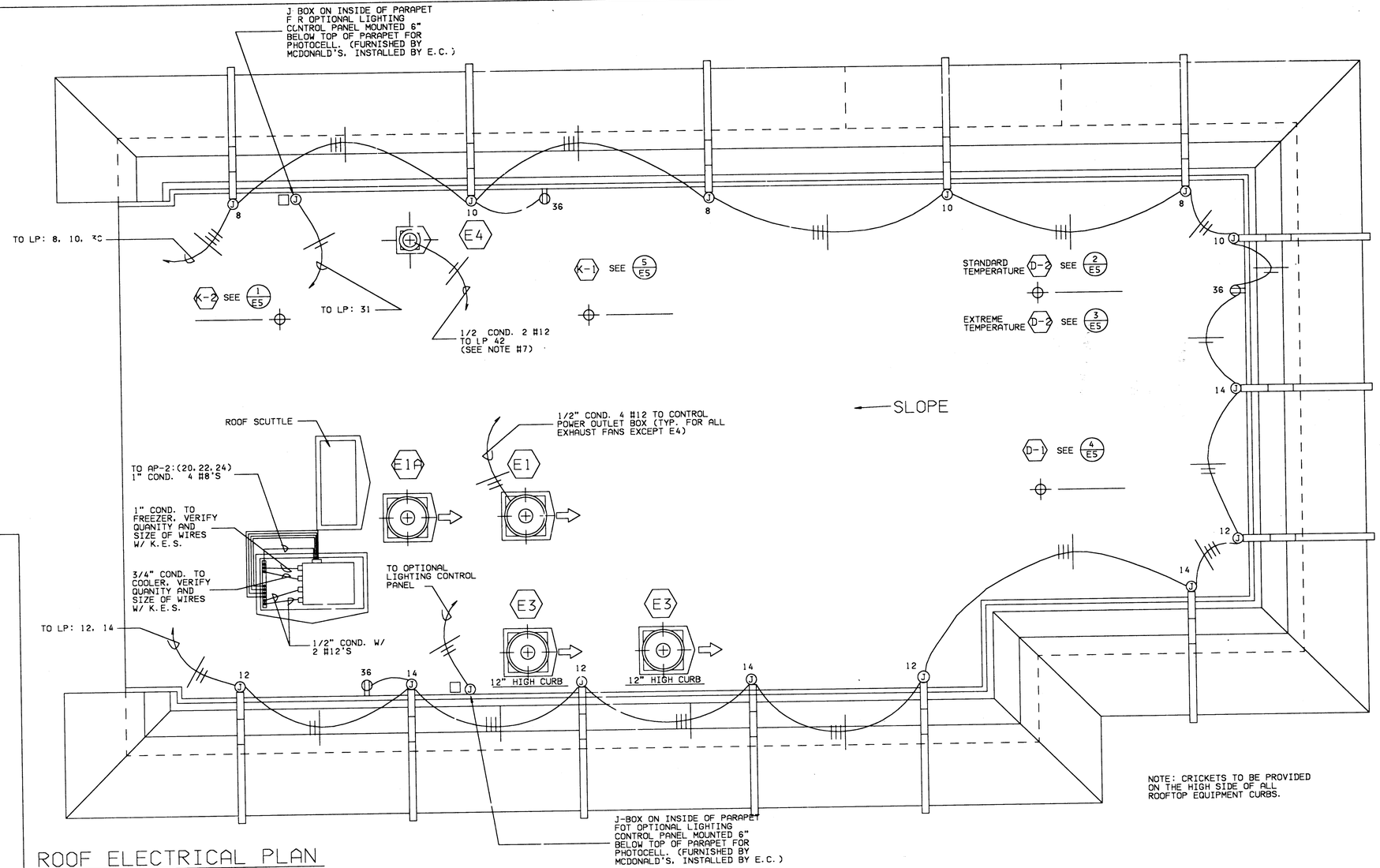
LOCAL ADDRESS: _____

SHEET NO. E04

MCD104 (01FEB89)

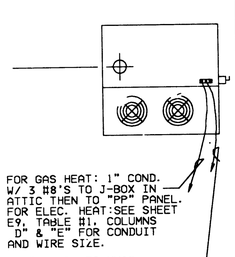
NOTES

1. ELECTRICAL CONTRACTOR SHALL FURNISH & INSTALL A WATERTIGHT J-BOX & NECESSARY WIRING TO HOOK UP COMPLETE REMOTE CONDENSING UNIT
2. N/A
3. ALL J-BOXES AND RECEPTACLES SHOWN ON THIS PLAN SHALL BE WEATHERPROOF.
4. N/A
5. ALL GAS AND ELECTRIC HVAC UNITS ARE FURNISHED WITH A DISCONNECT SWITCH. E.C. SHALL WIRE 3 PHASE TO MAIN LUGS.
6. WEATHERPROOF DISCONNECT SWITCH & J-BOX PROVIDED BY FA. MANUFACTURER. FACTORY WIRED AND MOUNTED TO FAN BASE EXTENTION. CONNECTION TO BE MADE ON INSIDE OF CURB TO ELIMINATE CONDUIT PENETRATION OF ROOFING.
7. DISCONNECT AND J-BOX PROVIDED & MOUNTED INSIDE MOTOR COMPARTMENT BY MANUFACTURER. E.C. SHALL STUB-UP THRU RACEWAY IN CURB.
8. E.C. TO PROVIDE A WEATHERPROOF J-BOX ON THE BACK SIDE OF PARAPET WITH COVER PLATE & KNOCKOUT FOR FINAL CONNECTION BY OTHERS
9. EXHAUST FANS MUST BE HINGED AS SHOWN TO PROVIDE PROPER MAINTENANCE.
10. SEE SHEET E6 FOR WIRING DETAILS.
11. THIS DRAWING [illegible] REPRESENTATION OF CONDUIT.
12. SEE SHEET E6 FOR HVAC GROUNDING METHOD.
13. REFER TO SHEET M-2 FOR LOCATION OF ELECTRICAL STUB-UPS FOR A/C UNITS.


J BOX ON INSIDE OF PARAPET F R OPTIONAL LIGHTING CONTROL PANEL MOUNTED 6" BELOW TOP OF PARAPET FOR PHOTOCELL. (FURNISHED BY MCDONALD'S, INSTALLED BY E.C.)
TO LP: 8, 10, 36
K-2 SEE 1/E5
E4
TO LP: 31
1/2 COND. 2 #12 TO LP 42 (SEE NOTE #7)
K-1 SEE 5/E5
STANDARD TEMPERATURE D-2 SEE 2/E5
EXTREME TEMPERATURE D-2 SEE 3/E5
D-1 SEE 4/E5
SLOPE
ROOF SCUTTLE
TO AP-2:(20,22,24) 1" COND. 4 #8'S
1" COND. TO FREEZER. VERIFY QUANITY AND SIZE OF WIRES W/ K.E.S.
3/4" COND. TO COOLER. VERIFY QUANITY AND SIZE OF WIRES W/ K.E.S.
E1A
E1
1/2" COND. 4 #12 TO CONTROL POWER OUTLET BOX (TYP. FOR ALL EXHAUST FANS EXCEPT E4)
TO OPTIONAL LIGHTING CONTROL PANEL
E3
E3
1/2" COND. W/ 2 #12'S
TO LP: 12, 14
12" HIGH CURB
12" HIGH CURB
J-BOX ON INSIDE OF PARAPET FOT OPTIONAL LIGHTING CONTROL PANEL MOUNTED 6" BELOW TOP OF PARAPET FOR PHOTOCELL. (FURNISHED BY MCDONALD'S, INSTALLED BY E.C.)
NOTE: CRICKETS TO BE PROVIDED ON THE HIGH SIDE OF ALL ROOFTOP EQUIPMENT CURBS.

ROOF ELECTRICAL PLAN

SCALE : 1/4"=1'-0"

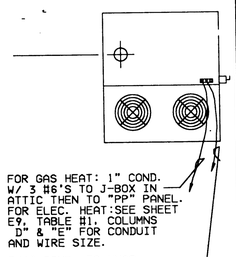


FOR GAS HEAT: 1" COND. W/ 3 #8'S TO J-BOX IN ATTIC THEN TO "PP" PANEL. FOR ELEC. HEAT:SEE SHEET E9, TABLE #1, COLUMNS "D" & "E" FOR CONDUIT AND WIRE SIZE.

3/4" COND. TO HVAC CONTROL PANEL. GREY CABLE FURNISHED BY HVAC SUPPLIER, INSTALLED BY E.C.

AAON
5 TON UNIT

DETAIL 1/E5
SCALE: 1/4" = 1'-0"

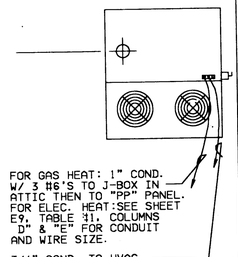


FOR GAS HEAT: 1" COND. W/ 3 #6'S TO J-BOX IN ATTIC THEN TO "PP" PANEL. FOR ELEC. HEAT:SEE SHEET E9, TABLE #1, COLUMNS "D" & "E" FOR CONDUIT AND WIRE SIZE.

3/4" COND. TO HVAC CONTROL PANEL. GREY CABLE FURNISHED BY HVAC SUPPLIER, INSTALLED BY E.C.

AAON
7 TON UNIT

DETAIL 2/E5
SCALE: 1/4" = 1'-0"

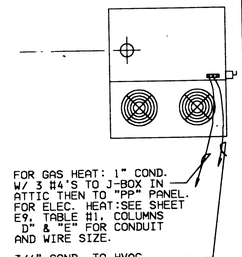


FOR GAS HEAT: 1" COND. W/ 3 #6'S TO J-BOX IN ATTIC THEN TO "PP" PANEL. FOR ELEC. HEAT:SEE SHEET E9, TABLE #1, COLUMNS "D" & "E" FOR CONDUIT AND WIRE SIZE.

3/4" COND. TO HVAC CONTROL PANEL. GREY CABLE FURNISHED BY HVAC SUPPLIER, INSTALLED BY E.C.

AAON
8 TON UNIT

DETAIL 3/E5
SCALE: 1/4" = 1'-0"

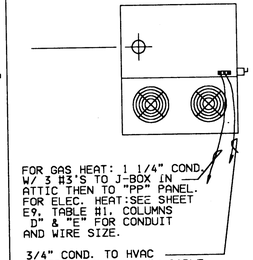


FOR GAS HEAT: 1" COND. W/ 3 #4'S TO J-BOX IN ATTIC THEN TO "PP" PANEL. FOR ELEC. HEAT:SEE SHEET E9, TABLE #1, COLUMNS "D" & "E" FOR CONDUIT AND WIRE SIZE.

3/4" COND. TO HVAC CONTROL PANEL. GREY CABLE FURNISHED BY HVAC SUPPLIER, INSTALLED BY E.C.

AAON
10 TON UNIT

DETAIL 4/E5
SCALE: 1/4" = 1'-0"

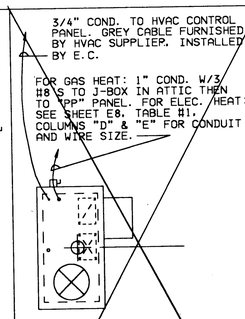


FOR GAS HEAT: 1 1/4" COND. W/ 3 #3'S TO J-BOX IN ATTIC THEN TO "PP" PANEL. FOR ELEC. HEAT:SEE SHEET E9, TABLE #1, COLUMNS "D" & "E" FOR CONDUIT AND WIRE SIZE.

3/4" COND. TO HVAC CONTROL PANEL. GREY CABLE FURNISHED BY HVAC SUPPLIER, INSTALLED BY E.C.

AAON
13 TON UNIT

DETAIL 5/E5
SCALE: 1/4" = 1'-0"

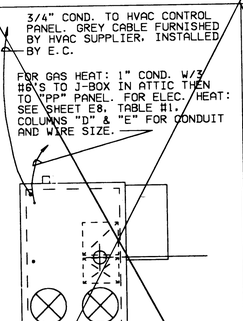


3/4" COND. TO HVAC CONTROL PANEL. GREY CABLE FURNISHED BY HVAC SUPPLIER. INSTALLED BY E.C.

FOR GAS HEAT: 1" COND. W/3 #8'S TO J-BOX IN ATTIC THEN TO "PP" PANEL. FOR ELEC. HEAT: SEE SHEET E8, TABLE #1, COLUMNS "D" & "E" FOR CONDUIT AND WIRE SIZE.

YORK
5 TON UNIT

DETAIL 1/E5
SCALE: 1/4" = 1'-0"

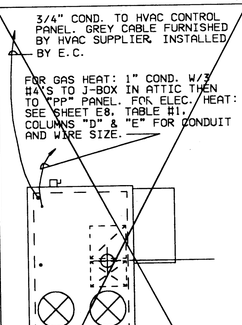


3/4" COND. TO HVAC CONTROL PANEL. GREY CABLE FURNISHED BY HVAC SUPPLIER, INSTALLED BY E.C.

FOR GAS HEAT: 1" COND. W/3 #8'S TO J-BOX IN ATTIC THEN TO "PP" PANEL. FOR ELEC. HEAT: SEE SHEET E8, TABLE #1, COLUMNS "D" & "E" FOR CONDUIT AND WIRE SIZE.

YORK
7 1/2 TON UNIT

DETAIL 2/E5 3/E5
SCALE: 1/4" = 1'-0"

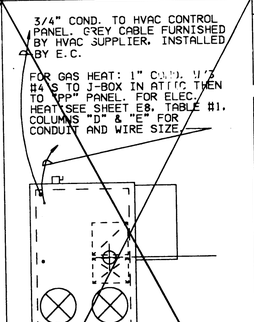


3/4" COND. TO HVAC CONTROL PANEL. GREY CABLE FURNISHED BY HVAC SUPPLIER, INSTALLED BY E.C.

FOR GAS HEAT: 1" COND. W/3 #4'S TO J-BOX IN ATTIC THEN TO "PP" PANEL. FOR ELEC. HEAT: SEE SHEET E8, TABLE #1, COLUMNS "D" & "E" FOR CONDUIT AND WIRE SIZE.

YORK
10 TON UNIT

DETAIL 4/E5
SCALE: 1/4" = 1'-0"



3/4" COND. TO HVAC CONTROL PANEL. GREY CABLE FURNISHED BY HVAC SUPPLIER, INSTALLED BY E.C.

FOR GAS HEAT: 1" COND. W/3 #4'S TO J-BOX IN ATTIC THEN TO "PP" PANEL. FOR ELEC. HEAT: SEE SHEET E8, TABLE #1, COLUMNS "D" & "E" FOR CONDUIT AND WIRE SIZE.

YORK
12 1/2 TON UNIT

DETAIL 5/E5
SCALE: 1/4" = 1'-0"

REV	DATE	DESCRIPTION	BY
1	01FEB90	CODE UPDATE & STRUCTURAL CHANGES	JJC

ISSUE REF —
UNITS OF MEASURE INCH
SCALE —
VIEW CONVENTION —

REGISTERED ARCHITECT — RICHARD DARBY — No. 14398 — HANOVER, MASS.

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

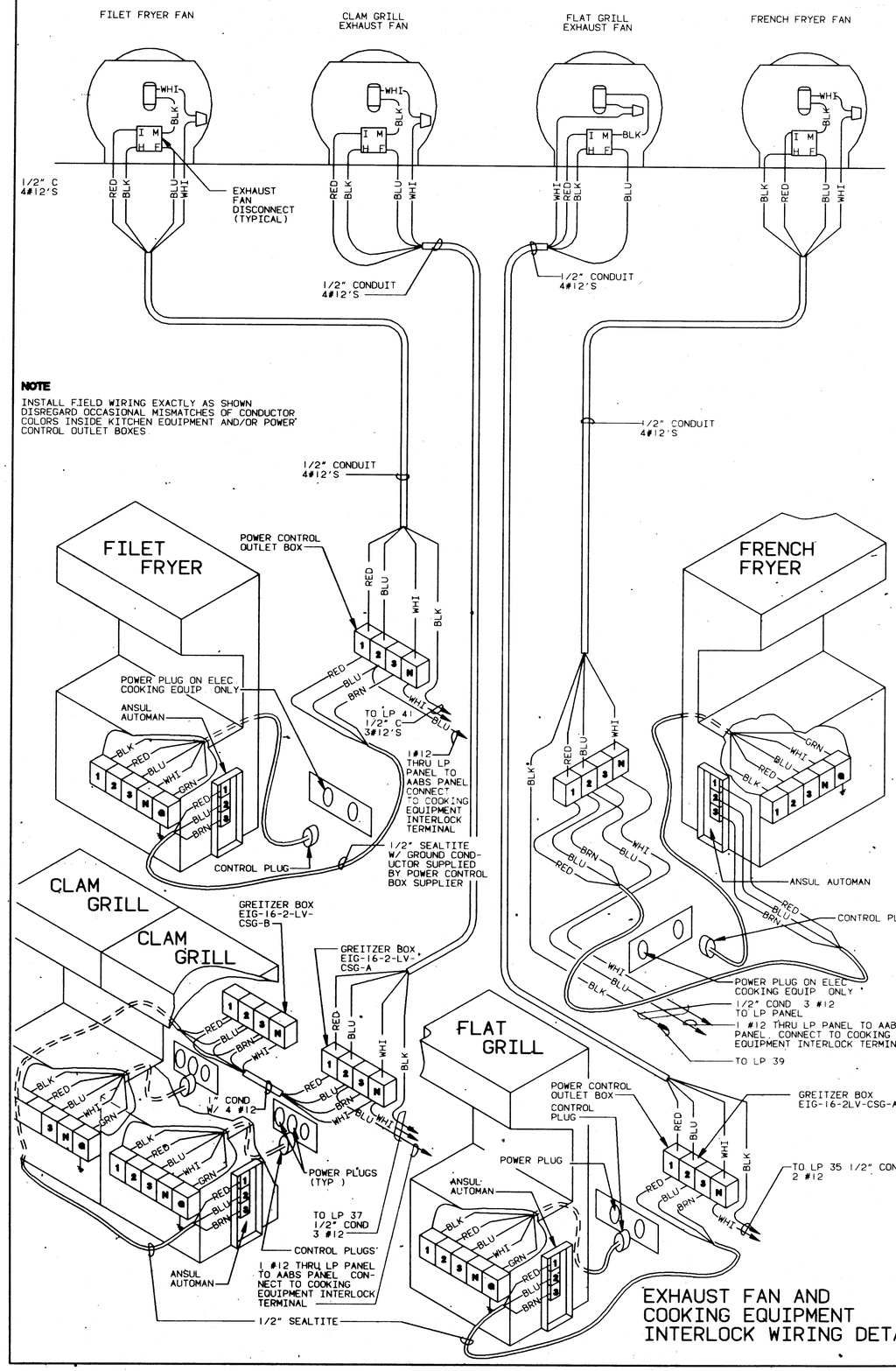
LOCAL ADDRESS

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

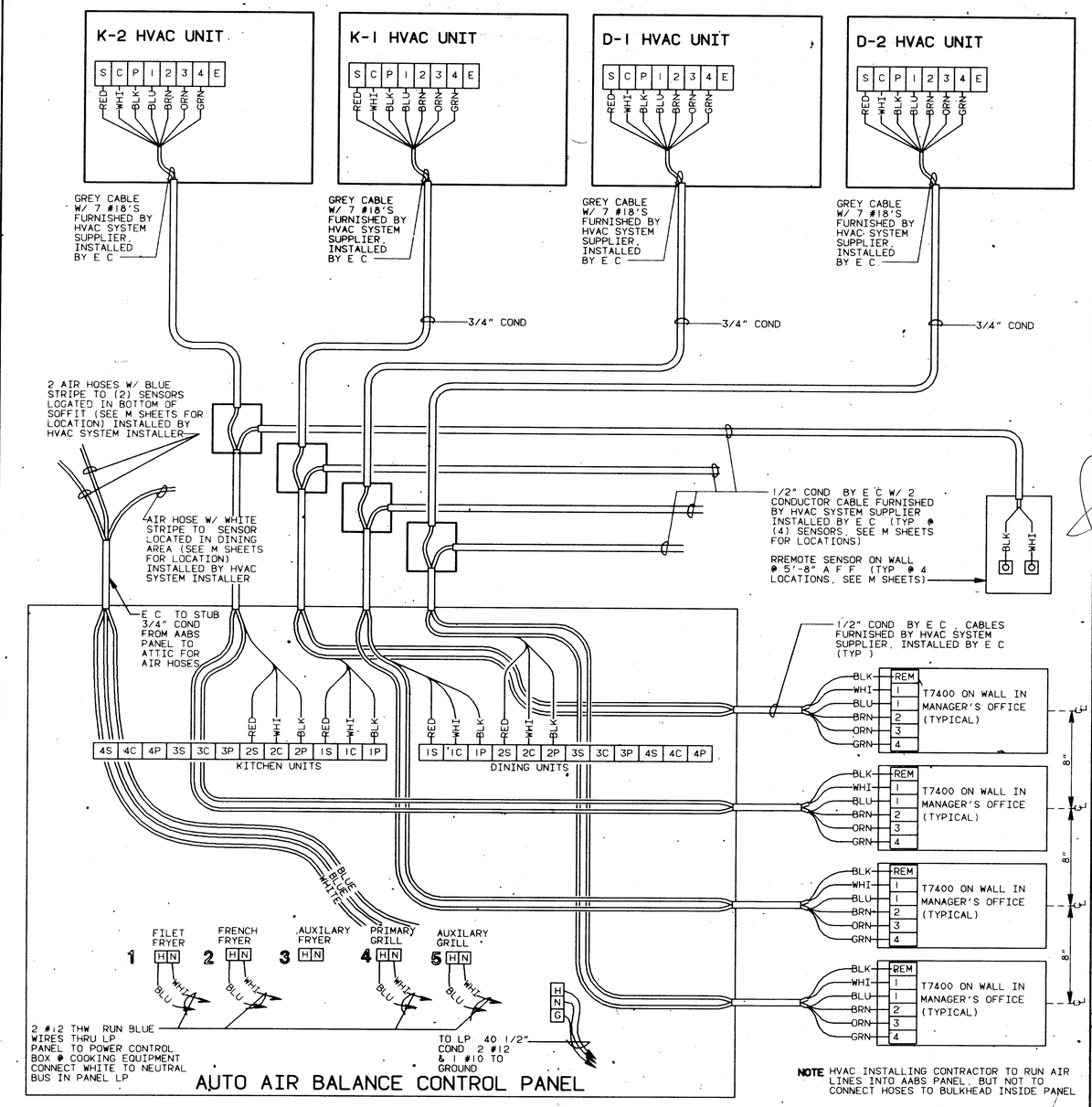
TITLE	37-84/89 BASEMENT
DRAWN BY	XXX
DATE DRAWN	XXX
DRAWING ID	9BM —3784
MATERIAL / DESCRIPTION	
CHECKED BY	MDR
DATE CHECKED	30AUG89
APPROVED BY	
DATE APPROVED	30AUG89
ISSUE REF	—
DATE ISSUED	01SEPT89

SHEET NO. E05

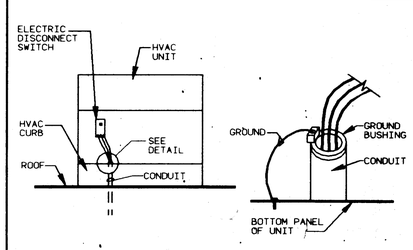
MCD104 (01FEB89)


FILET FRYER FAN
CLAM GRILL EXHAUST FAN
FLAT GRILL EXHAUST FAN
FRENCH FRYER FAN
WHI
BLK
I M
H F
RED
BLU
1/2" C 4#12'S
EXHAUST FAN DISCONNECT (TYPICAL)
1/2" CONDUIT 4#12'S
NOTE
INSTALL FIELD WIRING EXACTLY AS SHOWN DISREGARD OCCASIONAL MISMATCHES OF CONDUCTOR COLORS INSIDE KITCHEN EQUIPMENT AND/OR POWER CONTROL OUTLET BOXES.
FILET FRYER
POWER CONTROL OUTLET BOX
POWER PLUG ON ELEC COOKING EQUIP ONLY
ANSUL AUTOMAN
TO LP 41 1/2" C 3#12'S
1#12 THRU LP PANEL TO AABS PANEL CONNECT TO COOKING EQUIPMENT INTERLOCK TERMINAL
1/2" SEALTITE W/ GROUND CONDUCTOR SUPPLIED BY POWER CONTROL BOX SUPPLIER
CONTROL PLUG
FRENCH FRYER
ANSUL AUTOMAN
CONTROL PLUG
POWER PLUG ON ELEC COOKING EQUIP ONLY
1/2" COND 3 #12 TO LP PANEL
1 #12 THRU LP PANEL TO AABS PANEL, CONNECT TO COOKING EQUIPMENT INTERLOCK TERMINAL
TO LP 39
CLAM GRILL
GREITZER BOX EIG-16-2-LV-CSG-B
CLAM GRILL
GREITZER BOX EIG-16-2-LV-CSG-A
1" COND W/ 4 #12
POWER PLUGS (TYP)
TO LP 37 1/2" COND 3 #12
CONTROL PLUGS
1 #12 THRU LP PANEL TO AABS PANEL CONNECT TO COOKING EQUIPMENT INTERLOCK TERMINAL
ANSUL AUTOMAN
1/2" SEALTITE
FLAT GRILL
POWER CONTROL OUTLET BOX
CONTROL PLUG
POWER PLUG
ANSUL AUTOMAN
GREITZER BOX EIG-16-2LV-CSG-A
TO LP 35 1/2" COND 2 #12

EXHAUST FAN AND COOKING EQUIPMENT INTERLOCK WIRING DETAIL

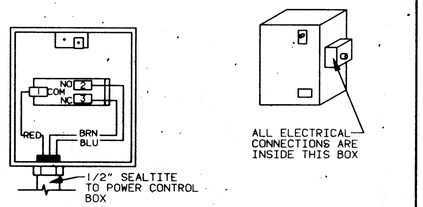

K-2 HVAC UNIT
K-1 HVAC UNIT
D-1 HVAC UNIT
D-2 HVAC UNIT
S C P I 2 3 4 E
RED WHI BLK BLU BRN ORN GRN
GREY CABLE W/ 7 #18'S FURNISHED BY HVAC SYSTEM SUPPLIER, INSTALLED BY E C
3/4" COND
2 AIR HOSES W/ BLUE STRIPE TO (2) SENSORS LOCATED IN BOTTOM OF SOFFIT (SEE M SHEETS FOR LOCATION) INSTALLED BY HVAC SYSTEM INSTALLER
AIR HOSE W/ WHITE STRIPE TO SENSOR LOCATED IN DINING AREA (SEE M SHEETS FOR LOCATION) INSTALLED BY HVAC SYSTEM INSTALLER
E C TO STUB 3/4" COND FROM AABS PANEL TO ATTIC FOR AIR HOSES
1/2" COND BY E C W/ 2 CONDUCTOR CABLE FURNISHED BY HVAC SYSTEM SUPPLIER INSTALLED BY E C (TYP @ (4) SENSORS. SEE M SHEETS FOR LOCATIONS)
RREMOTE SENSOR ON WALL @ 5'-8" A F F (TYP @ 4 LOCATIONS, SEE M SHEETS)
BLK WHI
1/2" COND BY E C . CABLES FURNISHED BY HVAC SYSTEM SUPPLIER, INSTALLED BY E C (TYP)
4S 4C 4P 3S 3C 3P 2S 2C 2P 1S 1C 1P
KITCHEN UNITS
1S 1C 1P 2S 2C 2P 3S 3C 3P 4S 4C 4P
DINING UNITS
REM 1 1 2 3 4
T7400 ON WALL IN MANAGER'S OFFICE (TYPICAL)
8"
BLUE BLUE WHITE
FILET FRYER 1 HN
FRENCH FRYER 2 HN
AUXILARY FRYER 3 HN
PRIMARY GRILL 4 HN
AUXILARY GRILL 5 HN
2 #12 THW RUN BLUE WIRES THRU LP PANEL TO POWER CONTROL BOX @ COOKING EQUIPMENT CONNECT WHITE TO NEUTRAL BUS IN PANEL LP
TO LP 40 1/2" COND 2 #12 & 1 #10 TO GROUND
N G
NOTE HVAC INSTALLING CONTRACTOR TO RUN AIR LINES INTO AABS PANEL, BUT NOT TO CONNECT HOSES TO BULKHEAD INSIDE PANEL

AUTO AIR BALANCE CONTROL PANEL



HVAC UNIT GROUNDING DETAIL

NO SCALE



COMPLETE ANSUL BOX

ANSUL AUTOMAN BOXES

NO SCALE

NOTES

HVAC SYSTEM SUPPLIER WILL PROVIDE
1 ALL THERMOSTATS AS REQUIRED
2 ALL LOW VOLTAGE CABLES AS INDICATED ON E6
3 AUTO AIR BALANCE CONTROL PANEL
4 ELECTRIC DISCONNECT SWITCH ON ROOF TOP UNITS. FACTORY MOUNTED AND WIRED

ELECTRICAL CONTRACTOR WILL
1 INSTALL AUTO AIR BALANCE CONTROL PANEL
2 INSTALL LOW VOLTAGE CABLES
3 SUPPLY AND INSTALL ALL CONDUIT
4 INSTALL ALL THERMOSTATS, INCLUDING REMOTE SENSORS WITH WOOD WALL PLATES
5 MAKE ALL FINAL CONNECTIONS

REV	DATE	DESCRIPTION	BY	ISSUE REF
VIEW CONVENTION		SCALE	UNITS OF MEASURE	INCH

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

LOCAL ADDRESS

TITLE	CHECKED BY	DATE CHECKED
89 RELEASE	MAR 2nd	30AUG89
DRAWN BY: WHP	MATERIAL / DESCRIPTION	APPROVED BY:
DATE DRAWN: 01AUG89		DATE APPROVED: 01SEP89
DRAWING ID: 9 -89BLDG		ISSUE REF: —
		DATE ISSUED: 01SEP89

SHEET NO E06

MCD184 (01PE889)

DETECTOR LOOP

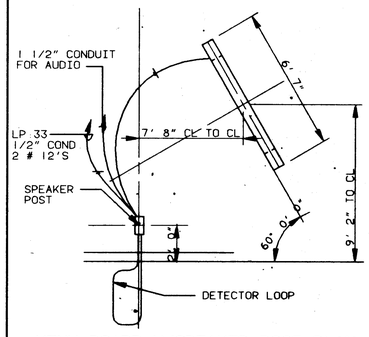
PRE-FORMED, PRE-WIRED VEHICLE DETECTOR LOOP TEMPLATE AND ANCHOR BOLTS AVAILABLE FROM INDICATOR CONTROLS CORP.

DISTRIBUTOR — INDICATOR CONTROLS CORPORATION
3000 EAST LAS HERMANAS STREET
RANCHO DOMINGUEZ, CALIFORNIA 90221
MR JIM GOULD (213) 603-8825

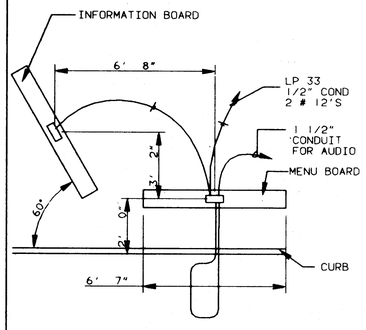
MATERIAL — POLYETHYLENE TUBING 1/2" I D 100 PSI LOOP MADE FROM ONE LENGTH OF THIN FOURTEEN GUAGE STRANDED WIRE. LEAD-IN IS PRE-TWISTED AT FACTORY

CONSTRUCTION — FORMED WITH ONE CONTINUOUS LENGTH OF PVC WITH NO SHARP CORNERS AS IN DRAWING BELOW WIRELOOPED FORMED & PIGTAILED AS IN DRAWING BELOW

NOTE DO NOT USE REINFORCEMENT RODS BELOW LOOP. KEEP ALL REBARS AND SCREENING AT LEAST 2 FEET AWAY FROM LOOP



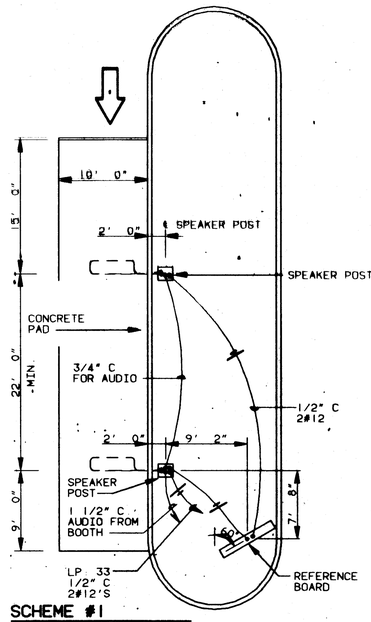
MENU BOARD W/SPEAKER POST PLAN
NO SCALE



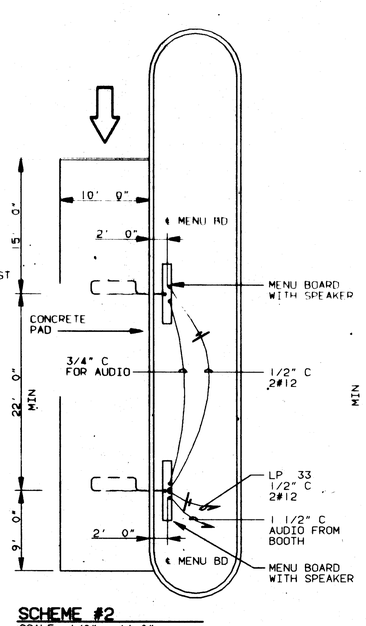
DUAL MENU BOARD
NO SCALE

FOR FOUNDATION AND ANCHOR BOLT DETAILS OF FLAG POLES, DIRECTIONAL SIGNAGE, MENU BOARD AND SPEAKER STAND SEE CURRENT SITE DETAILS GUIDE AND SITE SPECS.

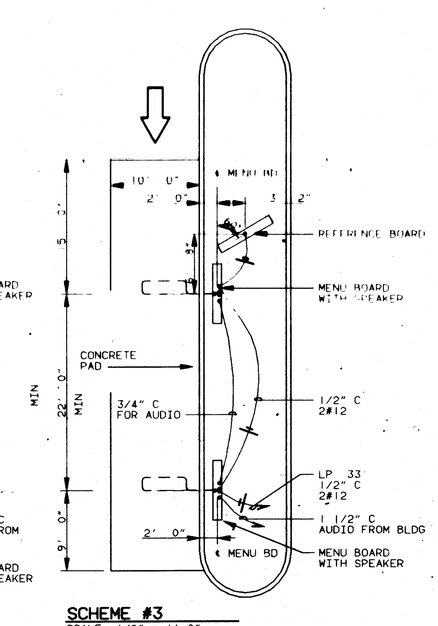
TANDEM LAYOUT



SCHEME #1
SCALE 1/8" = 1'-0"

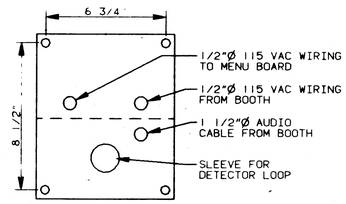


SCHEME #2
SCALE 1/8" = 1'-0"



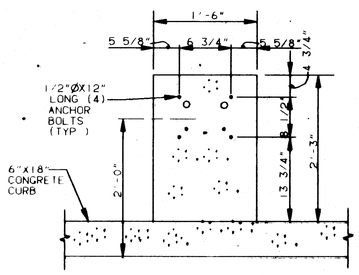
SCHEME #3
SCALE 1/8" = 1'-0"

NOTE: #12 GREEN GROUNDING CONDUCTOR MUST BE RUN WITH CIRCUIT CONDUCTORS FROM GROUND BUS IN PANEL LP TO ALL SPEAKER POSTS, MENU BOARDS AND REFERENCE BOARDS


6 3/4"
8 1/2"
1/2"Ø 115 VAC WIRING TO MENU BOARD
1/2"Ø 115 VAC WIRING FROM BOOTH
1 1/2"Ø AUDIO CABLE FROM BOOTH
SLEEVE FOR DETECTOR LOOP

NOTES
1 TEMPLATE B IS TO BE USED WITH SEPARATE SPEAKER POST USE TEMPLATE D WITH THE 4' X 8' AND 5 X 7' MENU BOARDS

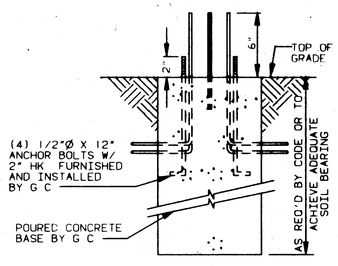
TEMPLATE B
NO SCALE



SPEAKER POST BASE
NO SCALE

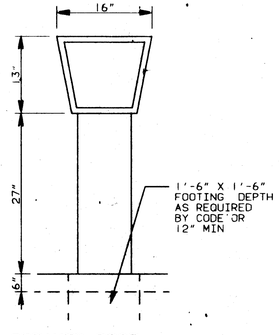
NOTE
TEMPLATES, ANCHOR BOLTS, AND PRE FORMED LOOP SHOULD BE ORDERED ACCORDING TO WHICH MENU BOARD IS TO BE USED

USE TEMPLATE "B"

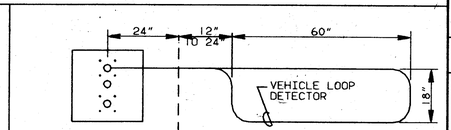

2"
6"
TOP OF GRADE
(4) 1/2"Ø X 12" ANCHOR BOLTS W/ 2" HK FURNISHED AND INSTALLED BY G C
POURED CONCRETE BASE BY G C
AS REQ'D BY CODE OR TO ACHIEVE ADEQUATE SOIL BEARING

NOTE
G C TO USE ANCHOR BOLT/CONDUIT STUB LAYOUT TEMPLATE 'B' FURNISHED BY "INDICATORS CONTROL CORPORATION"

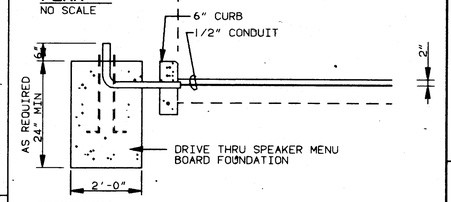
SPEAKER POST FOUNDATION
NO SCALE



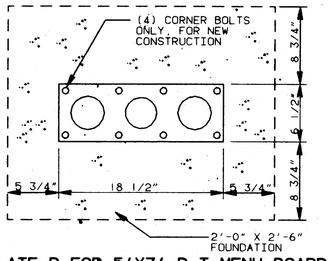
SPEAKER POST
NO SCALE



PLAN
NO SCALE

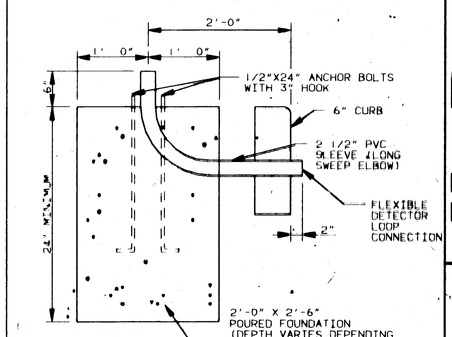


SECTION
NO SCALE

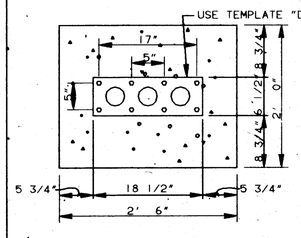


TEMPLATE D FOR 5'X7' D T MENU BOARD
SCALE 1 1/2"= 1'- 0"

NOTES
1 MOUNTING BOLTS SHOULD EXTEND 2" ABOVE PAD
2 ALL CONDUITS SHOULD EXTEND 6" TO 8" ABOVE CONCRETE PAD
3 MATERIAL 20 GA GALV 1/32 TO 1/16 LAMINATED PLASTIC ALL NOTATIONS ARE TO BE SHOWN ON TEMPLATE



SPEAKER POST BASE
NO SCALE



5' X 7' SPEAKER/MENU BOARD BASE
SCALE 1" = 1'-0"

McDonald's®
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

REV	DATE	DESCRIPTION	BY	ISSUE REF
VIEW CONVENTION		SCALE	UNITS OF MEASURE	INCH

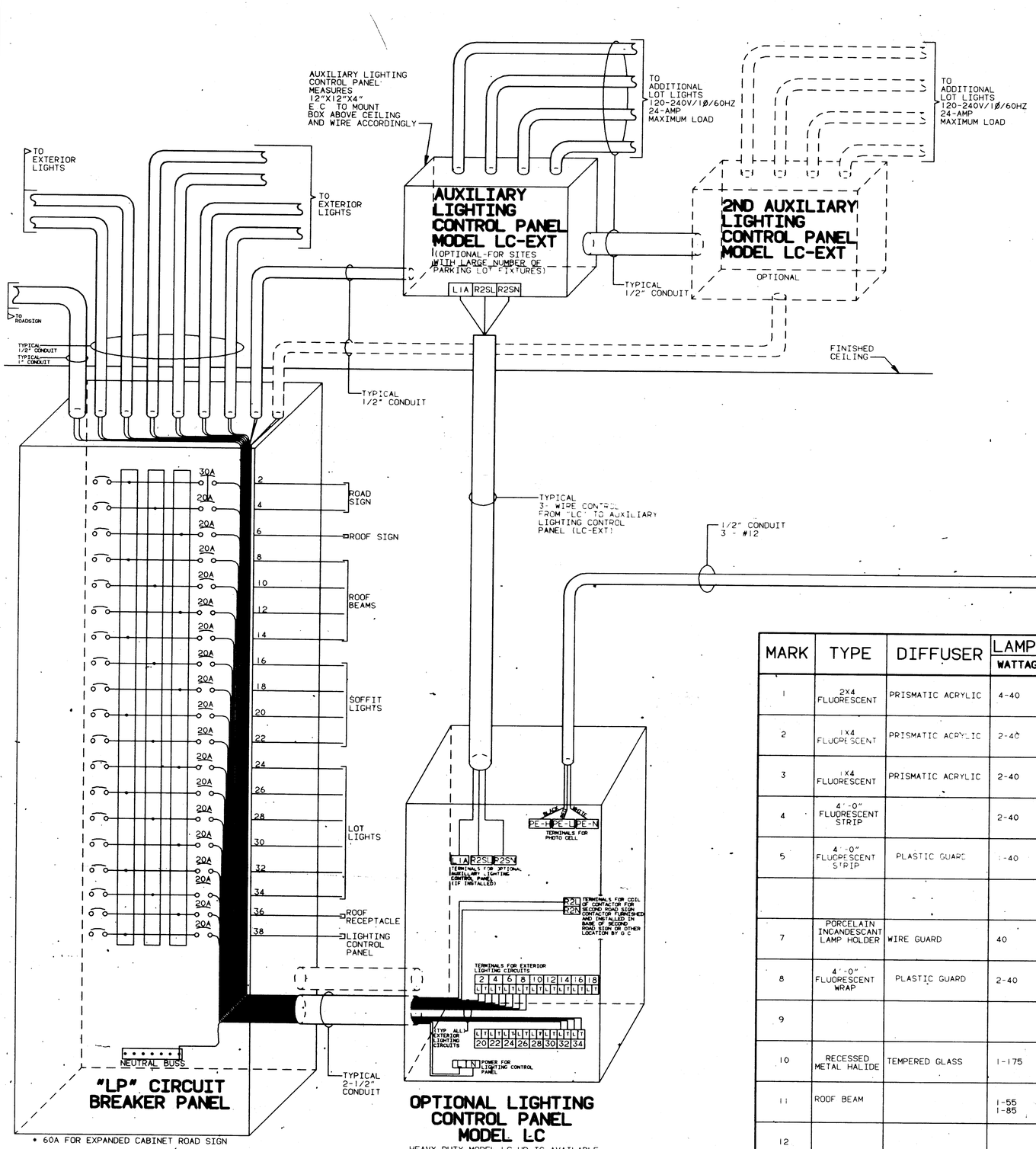
LOCAL ADDRESS

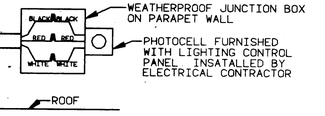
McDONALD'S CORPORATION
ROLLING CREEK
OAK BROOK, ILLINOIS 60521

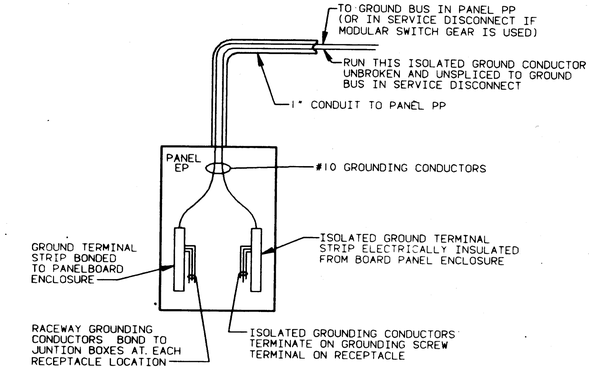
TITLE	89 RELEASE
DRAWN BY	WMP
DATE DRAWN	01AUG89
DRAWING NO	9
MATERIAL / DESCRIPTION	
CHECKED BY	MIO MK
DATE CHECKED	30AUG89
APPROVED BY	
DATE APPROVED	31AUG89
ISSUE REF	
DATE ISSUED	31AUG89
	-89BLDG

SHEET NO. E07

REGISTERED ARCHITECT No. 4484 ADVANCE NUMBER






TO GROUND BUS IN PANEL PP (OR IN SERVICE DISCONNECT IF MODULAR SWITCH GEAR IS USED)
RUN THIS ISOLATED GROUND CONDUCTOR UNBROKEN AND UNSPLICED TO GROUND BUS IN SERVICE DISCONNECT
1" CONDUIT TO PANEL PP
PANEL EP
#10 GROUNDING CONDUCTORS
GROUND TERMINAL STRIP BONDED TO PANELBOARD ENCLOSURE
ISOLATED GROUND TERMINAL STRIP ELECTRICALLY INSULATED FROM BOARD PANEL ENCLOSURE
RACEWAY GROUNDING CONDUCTORS BOND TO JUNTION BOXES AT EACH RECEPTACLE LOCATION
ISOLATED GROUNDING CONDUCTORS TERMINATE ON GROUNDING SCREW TERMINAL ON RECEPTACLE

PANEL EP - GROUNDING DETAIL

MARK	TYPE	DIFFUSER	LAMP		INSTALLATION			MANUFACTURER, CATALOG NUMBER, REMARKS	
			WATTAGE	ORDER NO	CEILING TYPE	MOUNTING	LOCATION		
1	2X4 FLUORESCENT	PRISMATIC ACRYLIC	4-40	F40 CW/RS/WM F40 WW/RS/WM	LAY-IN	RECESSED	KITCHEN AND DINING	COMPCO #LN6244-F-CA METALUX 2GC-440A COLUMBIA #5PS-4G-52-244	LIGHTING LTD #TMG244-MI LITHONIA #2SPG 440 A12
2	1X4 FLUORESCENT	PRISMATIC ACRYLIC	2-40	F40 CW/RS/WM F40 WW/RS/WM	LAY-IN	RECESSED	VESTIBULE CEILING	COMPCO #12-240CA METALUX GP-240A COLUMBIA #5PS-4G-52-142	LIGHTING LTD #TH214-GSS LITHONIA #SPG 240 A12
3	1X4 FLUORESCENT	PRISMATIC ACRYLIC	2-40	F40 CW/RS/WM F40 WW/RS/WM	DRYWALL	RECESSED	RESTROOM & DRESSING ROOM CEILING	COMPCO #FL12-240CA METALUX FP-240A COLUMBIA #5PS-4F-52-142	LIGHTING LTD #TH214-FBSS LITHONIA #SPF 240 A12
4	4'-0" FLUORESCENT STRIP		2-40	F40 CW/RS/WM F40 WW/RS/WM		SURFACE	OVER FRONT COUNTER	COMPCO #9942-4 METALUX SS-240 COLUMBIA #FS240M4	LIGHTING LTD #SN248-RS-HPF LITHONIA #C240
5	4'-0" FLUORESCENT STRIP	PLASTIC GUARD	1-40	F40 CW/RS/WM F40 WW/RS/WM		SURFACE	UNDER FRONT COUNTER	COMPCO #656 LIGHTING LTD #7550-X	FURNISHED BY K E S INSTALLED BY G C
7	PORCELAIN INCANDESCANT LAMP HOLDER	WIRE GUARD	40		DRYWALL	SURFACE	BROOM CLOSET CEILING	COMPCO #598 (WIRE GUARD) PASS & SEYMOUR #44 LIGHTING LTD #1742/2200 AWG	
8	4'-0" FLUORESCENT WRAP	PLASTIC GUARD	2-40	F40 CW/RS/WM F40 WW/RS/WM	CONCRETE	SURFACE	BASEMENT CEILING	COLUMBIA #W195-142	
9									
10	RECESSED METAL HALIDE	TEMPERED GLASS	1-175	G E ORDER NO MVR 175/U	PLYWOOD	RECESSED	ROOF OVERHANG SOFFIT	JET PHILLIPS MVRT-175-MH-G-Y-TP BEACON ILLUMINATION WO-175MH-V LSI MAC-SLV-120MH	COMPCO G30-3870 HARVEY WEISS & ASSOC INC SECURITY LIGHTING-852-WW-175MH-FTP-OW
11	ROOF BEAM		1-55 1-85				MANSARD	FURNISHED AND INSTALLED BY OTHERS	
12									
13									

REV | DATE | DESCRIPTION | BY | ISSUE REF

VIEW CONVENTION 3RD ANGLE | SCALE | UNITS OF MEASURE INCH

REGISTERED ARCHITECT No. 4494 COMMONWEALTH OF MASSACHUSETTS

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

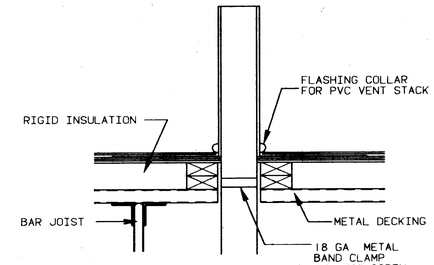
McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

CHECKED BY MAR	DATE CHECKED 30AUG89
APPROVED BY	DATE APPROVED 01SEP89
ISSUE REF	DATE ISSUED 01SEP89

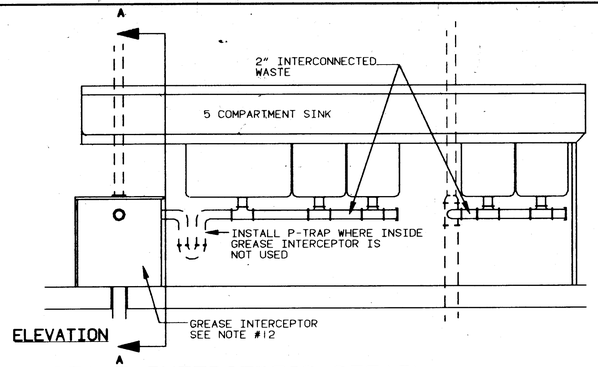
TITLE 89 RELEASE

DRAWN BY WWP	MATERIAL / DESCRIPTION
DATE DRAWN 01AUG89	
DRAWING ID 9	-89BLDG

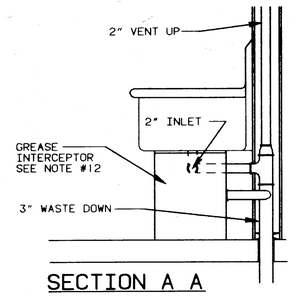
SHEET NO E-08



DETAIL
NO SCALE



ELEVATION



SECTION A A

GREASE INTERCEPTOR DETAIL
SCALE 3/4" = 1'-0"

GENERAL NOTES

1 ALL WATER AND GAS ROUGH-INS TO BE TERMINATED WITH SHUT OFF VALVES BEFORE CONNECTION TO EQUIPMENT AND FIXTURES

2 PURGE ALL WATER AND GAS LINES BEFORE CONNECTION

3 ALL DIMENSIONS SHOWN ARE FROM FINISHED FLOORS MAKE NECESSARY DIMENSIONAL ALLOWANCES

4 ALL FILTERED COLD WATER LINES SHALL BE EXTENDED FROM FILTER ON SODA FACTORY

5 ALL WORK SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND HEALTH CODES

6 EXAMINE CONNECTION DIAGRAMS BEFORE PROCEEDING WITH ANY ROUGH-IN WORK

7 EXTEND ALL CONDENSATE AND INDIRECT DRAINS ON EQUIPMENT TO FLOOR DRAINS IN BUILDING

8 ALL SLEEVES PENETRATING HEATED TO NON-HEATED AREAS SHALL BE PROPERLY INSULATED AND SEALED TO PREVENT HEAT LOSS AND SEEPAGE

9 DESIGN IS BASED ON NATIONAL PLUMBING CODE MODIFY AS REQUIRED TO SUIT LOCAL CODES

10 ALL WATER LINES ABOVE FLOOR ARE TO BE INSULATED COLD WATER LINES FOR CONDENSATION CONTROL, HOT WATER LINES TO PREVENT HEAT LOSS PROVIDE INSULATION RINGS ON ALL RISERS TO PREVENT BONDING OF SLAB TO PIPE AND ALLOW MOVEMENT SEE DETAIL 5/A2

11 A MINIMUM OF 20" IS REQUIRED BETWEEN ANY TWO ITEMS PENETRATING THE ROOF DECK

12 GREASE INTERCEPTOR PROVIDE AND INSTALL A GORDON SEPARATOR #1820 WITH 20 GPM MAXIMUM FULL FLOW, 20 GALLON LIQUID HOLDING CAPACITY AND SEAL, 70 LBS GREASY SLUDGE CAPACITY OR EQUAL SEE SPECIFICATIONS FOR ALTERNATE GREASE INTERCEPTOR

13 VENT OF FLOOR DRAINS TO BE AS PER LOCAL CODES

14 N/A

15 VACUUM BREAKERS SHALL COMPLY WITH LOCAL CODES ALL HOSE CONNECTIONS AND OTHER POSSIBLE POINTS OF CROSS CONTAMINATION SHALL BE PROTECTED IN COMPLIANCE WITH LOCAL CODES

16 SCHEDULE 40 PVC SHALL BE USED FOR ALL DRAIN, WASTE AND VENT LINES IF ALLOWED BY CODE WHERE CODE DOES NOT ALLOW PVC, USE TYPE DWV COPPER, CAST IRON, OR "DURIRON"

17 ALL PLUMBING VENTS THRU ROOF SHALL BE A MINIMUM OF 10'-0" AWAY FROM FRESH AIR INTAKES SEE ROOF PLAN ON SHEET P-2

18 WHERE POOR SOILS CONDITIONS EXIST OR WHERE SUBSTANTIAL SETTLEMENT OF EITHER THE PIPING, THE BUILDING, OR ADJACENT WALKS, PLANTERS, ETC. MAY OCCUR THE CONTRACTOR SHALL PROVIDE ADEQUATE UNDERSLAB STAINLESS STEEL PIPE HANGERS OR OTHER SUPPORT

19 IT WILL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO INSTALL ALL PVC CONDENSATE TRAPS ON ALL HVAC UNITS ALL CONDENSATE TRAPS ARE FURNISHED WITH THE H V A C UNITS

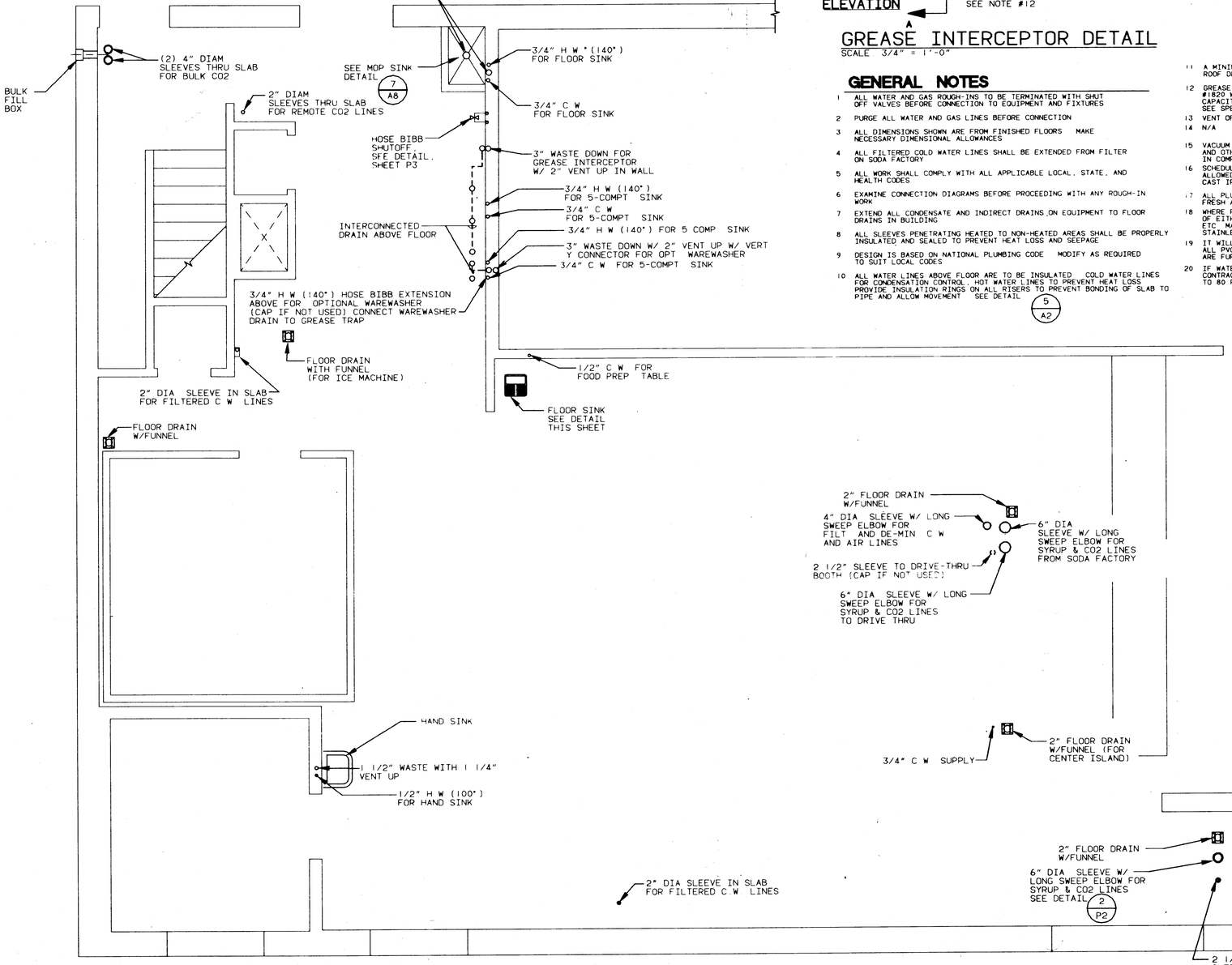
20 IF WATER PRESSURE AT THE INCOMING SERVICE EXCEEDS 80 PSI, PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL A PRESSURE REDUCING VALVE SET TO 80 PSI AT THE INCOMING SERVICE

ABBREVIATIONS

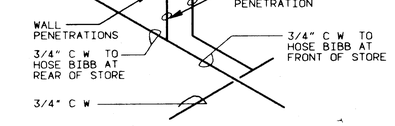
I.D.W.	INDIRECT WASTE
A.F.F.	ABOVE FINISHED FLOOR
K.E.S.	KITCHEN EQUIPMENT SUPPLIER
W.H.	WATER HEATER
W.C.	WATER CLOSET
UR.	URINAL
LAV.	LAVATORY
FL. DR.	FLOOR DRAIN
C.O.	CLEAN OUT
H.W.	HOT WATER
C.W.	COLD WATER

SYMBOL LIST

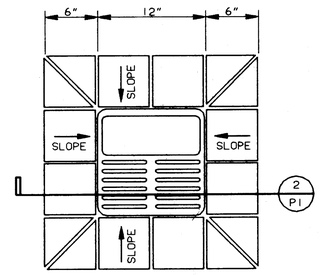
- SANITARY SEWER
- VENT PIPE
- COLD WATER PIPING
- 100° HOT WATER PIPING
- 140° HOT WATER PIPING
- SLEEVE IN OR BELOW SLAB
- PIPE THRU SLAB
- SLEEVE THRU SLAB
- FLOOR DRAIN
- CLEAN OUT



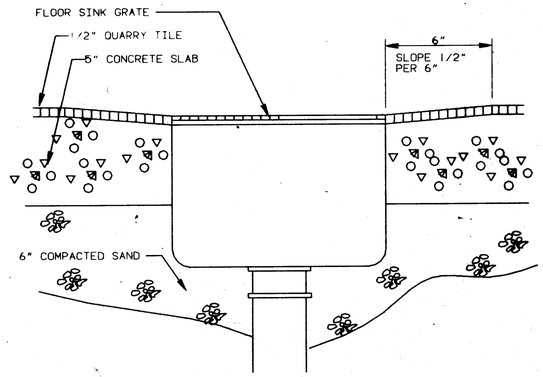
ABOVE FLOOR PIPING PLAN
SCALE = 3/8"=1'-0"



DETAIL OF HOSE BIBB SHUTOFF
NO SCALE



FLOOR SINK DETAIL
SCALE 1 1/2" = 1'-0"



SECTION
SCALE 3" = 1'-0" (2/P1)

REV	DATE	DESCRIPTION	SCALE	UNITS OF MEASURE	BY	ISSUE REF
				INCH		

VIEW CONVENTION

REGISTERED ARCHITECT — NO. 14454 — STATE OF WASHINGTON

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF
McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED
WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

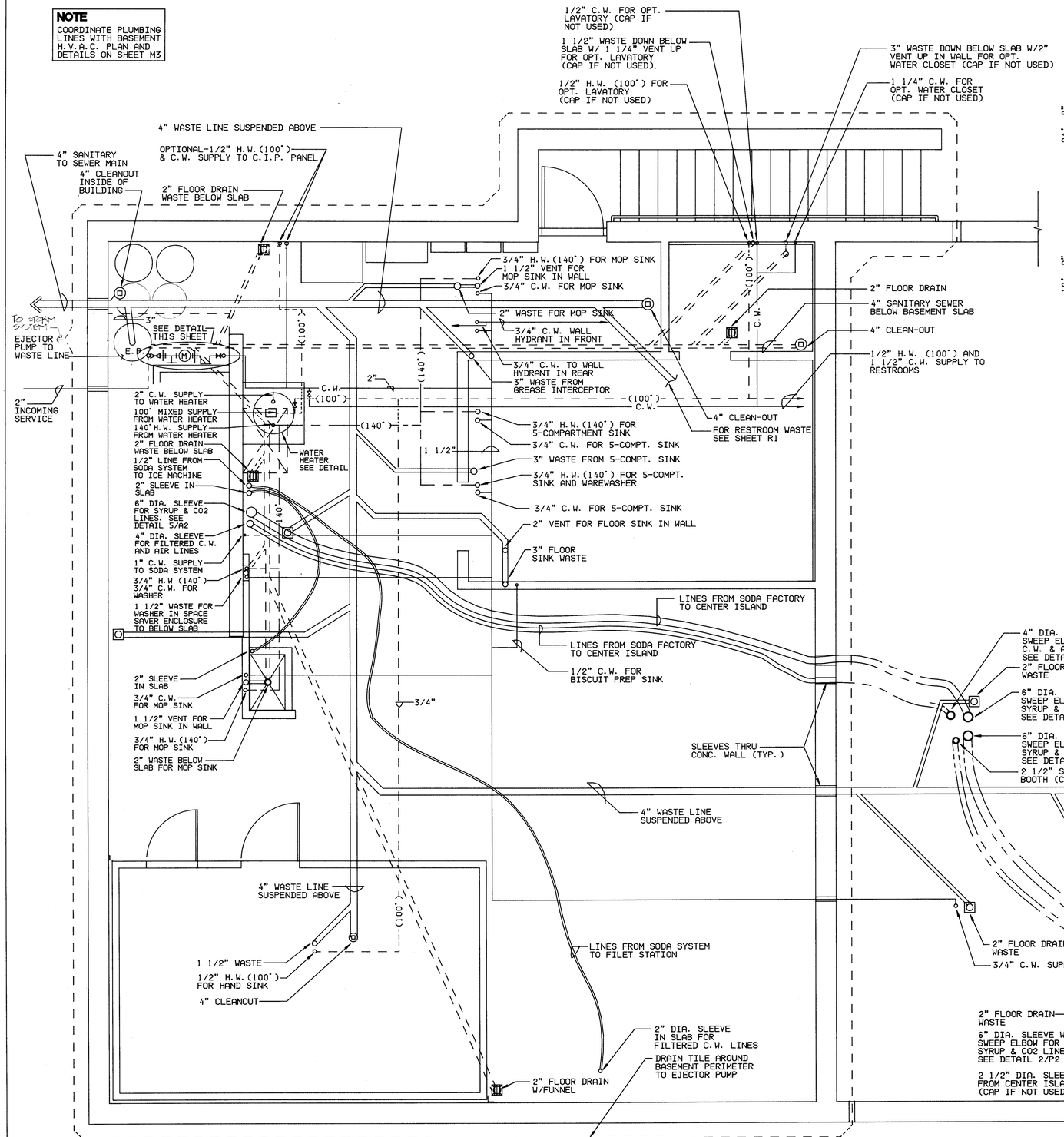
TITLE 37-84/89 BASEMENT

DRAWN BY WMP	CHECKED BY MAR	DATE CHECKED 30AUG89	DATE ISSUED 01SEP89
DATE DRAWN 01AUG89	APPROVED BY	DATE APPROVED 01SEP89	
DRAWING ID 98M	MATERIAL / DESCRIPTION	ISSUE REF	-3784BS

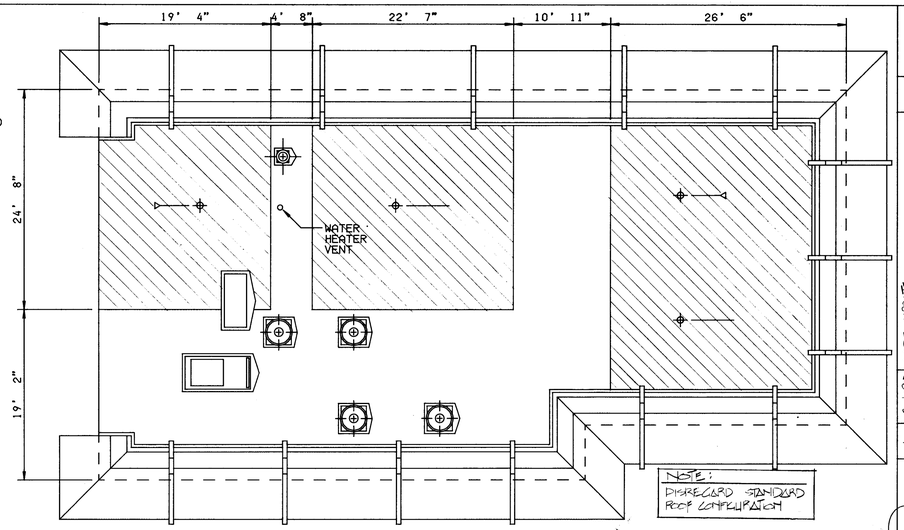
SHEET NO P01

MCD784 (01FEB89)

NOTE
COORDINATE PLUMBING LINES WITH BASEMENT H.V.A.C. PLAN AND DETAILS ON SHEET M3

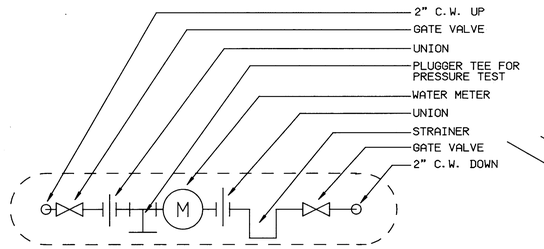

1/2" C.W. FOR OPT. LAVATORY (CAP IF NOT USED)
1 1/2" WASTE DOWN BELOW SLAB W/ 1 1/4" VENT UP FOR OPT. LAVATORY (CAP IF NOT USED).
1/2" H.W. (100°) FOR OPT. LAVATORY (CAP IF NOT USED)
3" WASTE DOWN BELOW SLAB W/2" VENT UP IN WALL FOR OPT. WATER CLOSET (CAP IF NOT USED)
1 1/4" C.W. FOR OPT. WATER CLOSET (CAP IF NOT USED)
4" WASTE LINE SUSPENDED ABOVE
OPTIONAL-1/2" H.W.(100°) & C.W. SUPPLY TO C.I.P. PANEL
4" SANITARY TO SEWER MAIN
4" CLEANOUT INSIDE OF BUILDING
2" FLOOR DRAIN WASTE BELOW SLAB
3/4" H.W.(140°) FOR MOP SINK
1 1/2" VENT FOR MOP SINK IN WALL
3/4" C.W. FOR MOP SINK
2" WASTE FOR MOP SINK
3/4" C.W. WALL HYDRANT IN FRONT
3/4" C.W. TO WALL HYDRANT IN REAR
3" WASTE FROM GREASE INTERCEPTOR
2" FLOOR DRAIN
4" SANITARY SEWER BELOW BASEMENT SLAB
4" CLEAN-OUT
1/2" H.W. (100°) AND 1 1/2" C.W. SUPPLY TO RESTROOMS
TO STORM SYSTEM
3" SEE DETAIL THIS SHEET
EJECTOR & PUMP TO WASTE LINE
E.P.
2" INCOMING SERVICE
2" C.W. SUPPLY TO WATER HEATER
100° MIXED SUPPLY FROM WATER HEATER
140° H.W. SUPPLY FROM WATER HEATER
2" FLOOR DRAIN WASTE BELOW SLAB
1/2" LINE FROM SODA SYSTEM TO ICE MACHINE
2" SLEEVE IN SLAB
6" DIA. SLEEVE FOR SYRUP & CO2 LINES. SEE DETAIL 5/A2
4" DIA. SLEEVE FOR FILTERED C.W. AND AIR LINES
1" C.W. SUPPLY TO SODA SYSTEM
3/4" H.W (140°) 3/4" C.W. FOR WASHER
1 1/2" WASTE FOR WASHER IN SPACE SAVER ENCLOSURE TO BELOW SLAB
WATER HEATER SEE DETAIL
3/4" H.W.(140°) FOR 5-COMPARTMENT SINK
3/4" C.W. FOR 5-COMPT. SINK
3" WASTE FROM 5-COMPT. SINK
3/4" H.W.(140°) FOR 5-COMPT. SINK AND WAREWASHER
3/4" C.W. FOR 5-COMPT. SINK
2" VENT FOR FLOOR SINK IN WALL
3" FLOOR SINK WASTE
4" CLEAN-OUT
FOR RESTROOM WASTE SEE SHEET R1
LINES FROM SODA FACTORY TO CENTER ISLAND
LINES FROM SODA FACTORY TO CENTER ISLAND
1/2" C.W. FOR BISCUIT PREP SINK
2" SLEEVE IN SLAB
3/4" C.W. FOR MOP SINK
1 1/2" VENT FOR MOP SINK IN WALL
3/4" H.W.(140°) FOR MOP SINK
2" WASTE BELOW SLAB FOR MOP SINK
3/4"
SLEEVES THRU CONC. WALL (TYP.)
4" WASTE LINE SUSPENDED ABOVE
4" WASTE LINE SUSPENDED ABOVE
1 1/2" WASTE
1/2" H.W.(100°) FOR HAND SINK
4" CLEANOUT
LINES FROM SODA SYSTEM TO FILET STATION
2" DIA. SLEEVE IN SLAB FOR FILTERED C.W. LINES
DRAIN TILE AROUND BASEMENT PERIMETER TO EJECTOR PUMP
2" FLOOR DRAIN W/FUNNEL
4" DIA. SLEEVE W/ LONG SWEEP ELBOW FOR FILTERED C.W. & AIR LINES SEE DETAIL 2/P2
2" FLOOR DRAIN WASTE
6" DIA. SLEEVE W/ LONG SWEEP ELBOW FOR SYRUP & CO2 LINES SEE DETAIL 2/P2
6" DIA. SLEEVE W/ LONG SWEEP ELBOW FOR SYRUP & CO2 LINES SEE DETAIL 2/P2
2 1/2" SLEEVE TO DRIVE-THRU BOOTH (CAP IF NOT USED)
4" CLEANOUT
2" FLOOR DRAIN WASTE
3/4" C.W. SUPPLY
2" FLOOR DRAIN WASTE
6" DIA. SLEEVE W/ LONG SWEEP ELBOW FOR SYRUP & CO2 LINES SEE DETAIL 2/P2
2 1/2" DIA. SLEEVE FROM CENTER ISLAND (CAP IF NOT USED)

BASEMENT PIPING PLAN
SCALE: 3/8"=1'-0"

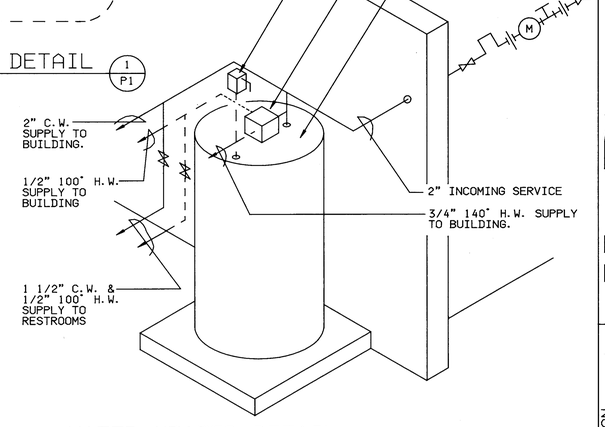


ROOF PLAN
SCALE : 1/8"=1'-0"

NOTE: NO VENTS OF ANY KIND SHOULD BE LOCATED IN THE SHADED AREA OF ROOF

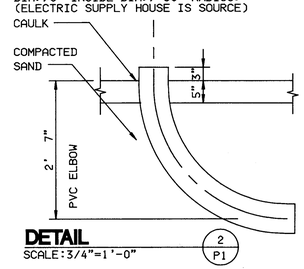


WATER METER DETAIL
NO SCALE (1/P1)


SAFETY RELIEF VALVE
TEMPERING VALVE
WATER HEATER
M
2" C.W. SUPPLY TO BUILDING.
1/2" 100° H.W. SUPPLY TO BUILDING
2" INCOMING SERVICE
3/4" 140° H.W. SUPPLY TO BUILDING.
1 1/2" C.W. & 1/2" 100° H.W. SUPPLY TO RESTROOMS

WATER HEATER DETAIL
NO SCALE

NOTE
LONG SWEEP PVC ELBOW: 6.625" OUTSIDE DIA. 6" INSIDE DIA., 30" RADIUS. (ELECTRIC SUPPLY HOUSE IS SOURCE)



DETAIL
SCALE:3/4"=1'-0" (2/P1)

REV	DATE	DESCRIPTION	BY	ISSUE REF
1	2-1-90	CODE UPDATE		

SCALE — UNITS OF MEASURE — INCH

VIEW CONVENTION

REGISTERED ARCHITECT — STATE OF WASHINGTON — No. 4456 — WILLIAM E. WAGG

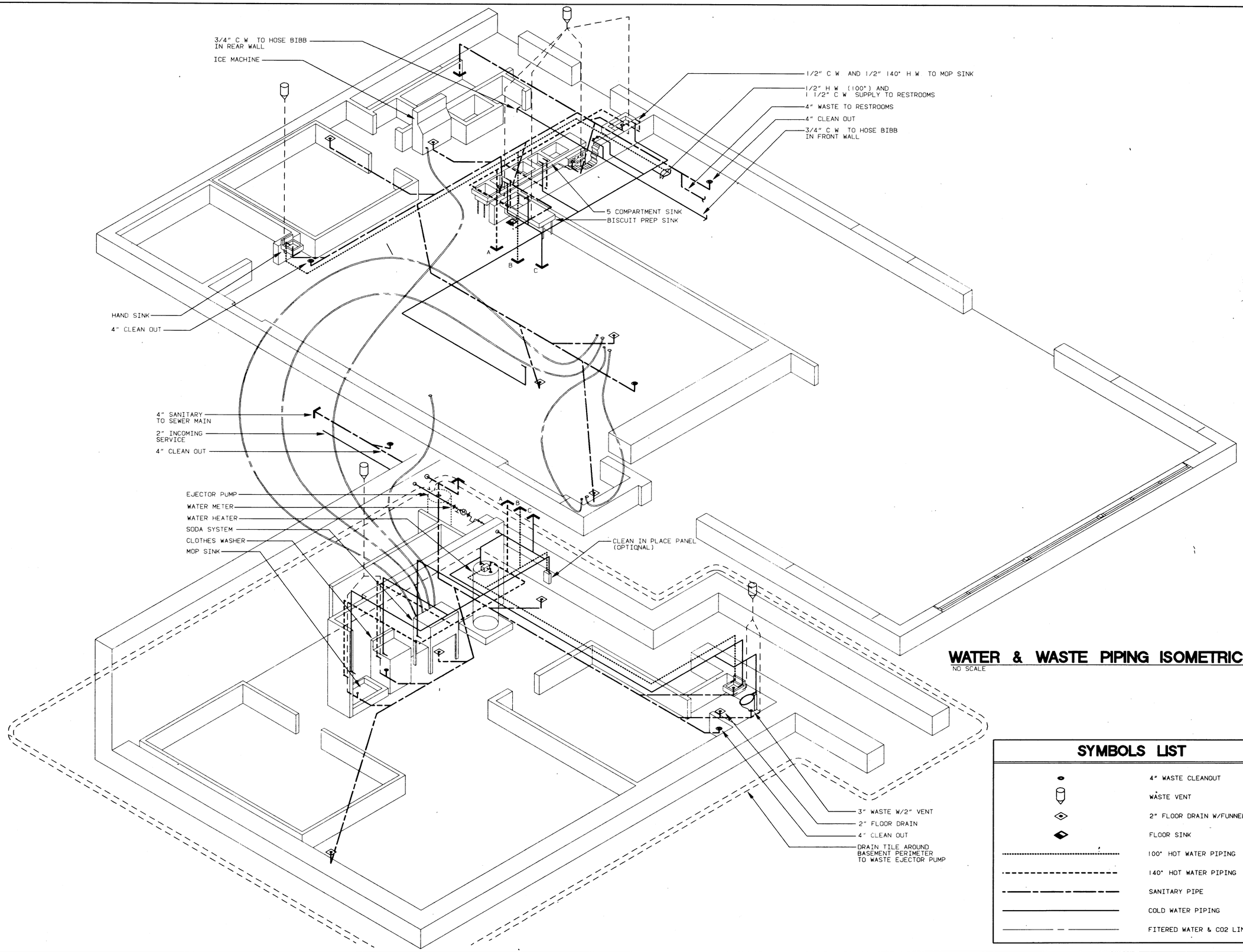
McDonald's®
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

McDONALD'S CORPORATION KROC DRIVE OAK BROOK, ILLINOIS 60521		DATE CHECKED 30AUG89	DATE ISSUED 01SEP89
TITLE 37-84/89 BASEMENT	MATERIAL / DESCRIPTION ROOF PLAN BASEMENT PIPING PLAN	CHECKED BY MAR	APPROVED BY
DRAWN BY WAP		DATE ISSUED 01SEP89	ISSUE REF
DRAWING ID 9BM -3784BS			

SHEET NO. P02

MCD104 (01FEB89)


3/4" C W TO HOSE BIBB IN REAR WALL
ICE MACHINE
1/2" C W AND 1/2" 140° H W TO MOP SINK
1/2" H W (100°) AND 1 1/2" C W SUPPLY TO RESTROOMS
4" WASTE TO RESTROOMS
4" CLEAN OUT
3/4" C W TO HOSE BIBB IN FRONT WALL
5 COMPARTMENT SINK
BISCUIT PREP SINK
A
B
C
HAND SINK
4" CLEAN OUT
4" SANITARY TO SEWER MAIN
2" INCOMING SERVICE
4" CLEAN OUT
EJECTOR PUMP
WATER METER
WATER HEATER
SODA SYSTEM
CLOTHES WASHER
MOP SINK
CLEAN IN PLACE PANEL (OPTIONAL)
3" WASTE W/2" VENT
2" FLOOR DRAIN
4" CLEAN OUT
DRAIN TILE AROUND BASEMENT PERIMETER TO WASTE EJECTOR PUMP

WATER & WASTE PIPING ISOMETRIC

NO SCALE

SYMBOLS LIST

- 4" WASTE CLEANOUT
- WASTE VENT
- 2" FLOOR DRAIN W/FUNNEL
- FLOOR SINK
- 100° HOT WATER PIPING
- 140° HOT WATER PIPING
- SANITARY PIPE
- COLD WATER PIPING
- FITERED WATER & CO2 LINES

REV	DATE	DESCRIPTION	BY	ISSUE REF

SCALE — UNITS OF MEASURE: INCH

VIEW CONVENTION

JEFFERIES ARCHITECTS — REGISTERED ARCHITECT — No. 4490 — ANDOVER, MASS. — COMMONWEALTH OF MASSACHUSETTS

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE: 37-84/89 BASEMENT

DRAWN BY	MATERIAL / DESCRIPTION	CHECKED BY	DATE CHECKED
JRW		MAR	30AUG89
DATE DRAWN		APPROVED BY	DATE APPROVED
XXX			30SEP89
DRAWING ID		ISSUE REF	DATE ISSUED
9BM -3784BS		-	30SEP89

SHEET NO: P03

MCD764 (01FEB89)

GAS REQUIRED

KITCHEN

NAME OF APPLIANCE	BTUH DEMAND
WATER HEATER	96,000
(2) THREE VAT FRYERS	510,000
(1) THREE FOOT GRIDDLE	-------
TOTAL DEMAND (BTUH)	606,000

STANDARD TEMP.

HVAC

	NO	NAME-BTUH EACH AAON	NAME-BTUH EACH YORK	TOTAL DEMAND AAON	TOTAL DEMAND YORK
13 TON 12.5 TON	1	285,000	245,000	285,000	245,000
10 TON	1	285,000	245,000	285,000	245,000
7 TON 7.5 TON	1	142,500	204,000	142,500	204,000
5 TON	1	142,500	125,000	142,500	125,000
				855,000	819,000

TOTAL

TOTAL KITCHEN DEMAND		606,000	606,000
TOTAL HVAC DEMAND	AAON	855,000	
	YORK		819,000
TOTAL GAS REQUIRED		1,461,000	1,425,000

EXTREME TEMP.

HVAC

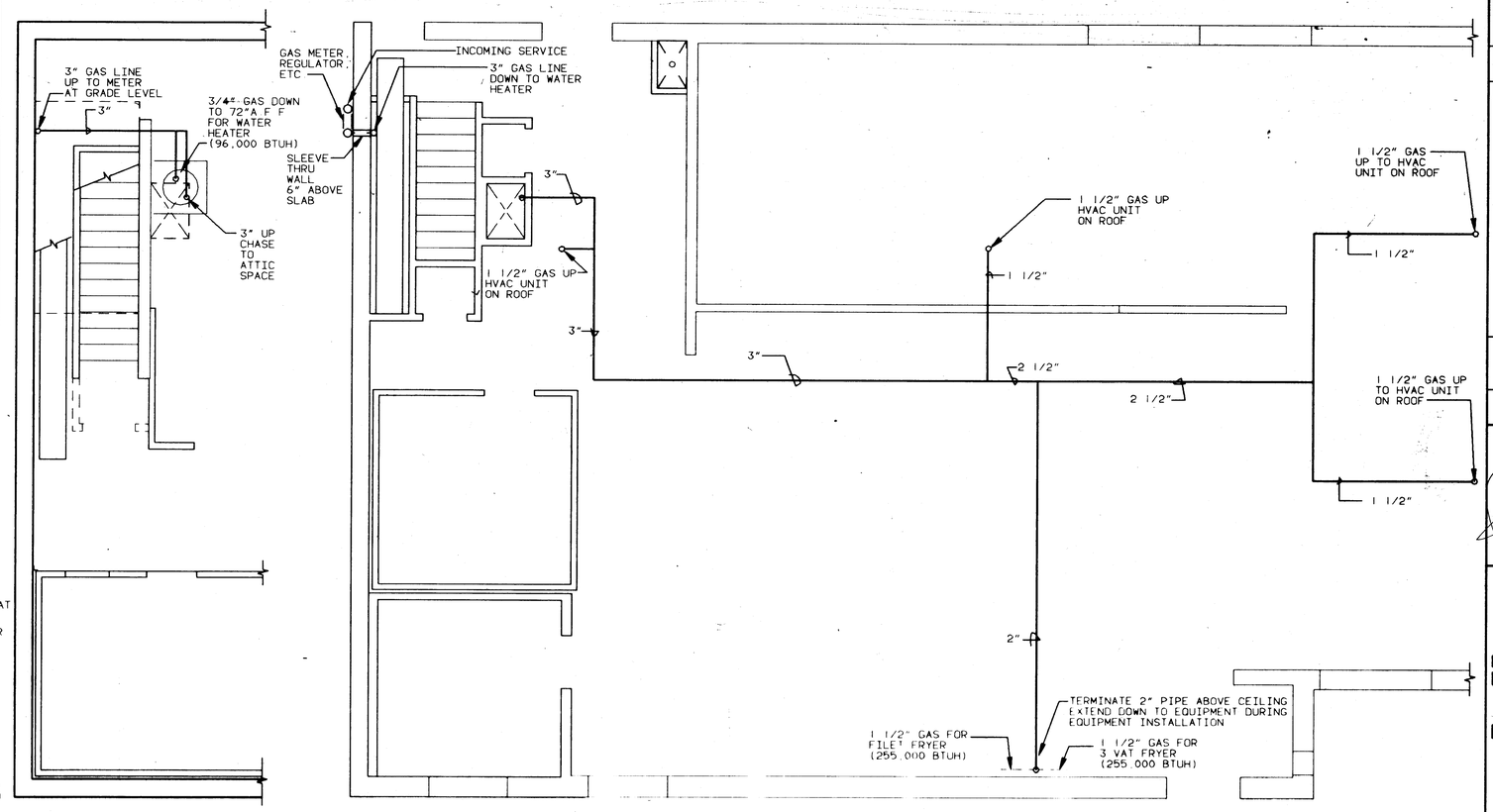
TYPE	NO	NAME-BTUH EACH AAON	NAME-BTUH EACH YORK	TOTAL DEMAND AAON	TOTAL DEMAND YORK
13 TON 12.5 TON	1	285,000	245,000	285,000	245,000
10 TON	1	285,000	245,000	285,000	245,000
8 TON 7.5 TON	1	225,000	204,000	225,000	204,000
5 TON	1	142,500	125,000	142,500	125,000
TOTAL DEMAND				937,500	819,000

TOTAL

TOTAL KITCHEN DEMAND		606,000	606,000
TOTAL HVAC DEMAND	AAON	937,500	
	YORK		819,000
TOTAL GAS REQUIRED		1,543,500	1,425,000

GENERAL NOTES

1. THIS SYSTEM IS DESIGNED FOR A MINIMUM OF 9" WATER COLUMN ON THE BUILDING SIDE OF THE METER. THE PRESSURE DROP FROM THE METER TO ANY APPLIANCE SHOULD NOT EXCEED 0.3" WATER COLUMN.
2. THE PLUMBING CONTRACTOR SHALL MEASURE AND VERIFY THE FOLLOWING CORRECT GAS PRESSURE AT EACH COOKING APPLIANCE AND HVAC UNIT WHEN ALL APPLIANCES AND HVAC UNITS ARE FIRING.
   WOLF GRILL 5" W.C. NATURAL, 10" W.C. L.P.
   FRYMASTER 3 1/2" W.C. NATURAL, 8 1/4" W.C. L.P.
   VULCAN HART FRYER 3.7" W.C. NATURAL, 10" W.C. L.P. 10
   HVAC UNIT 3 1/2" W.C. NATURAL, 11" W.C. L.P.
3. BUILDING PRESSURE SHOULD BE 9" W.C. MINIMUM, 10" MAXIMUM.
4. GAS WATER HEATER VENT MUST BE 10'-0" AWAY (MIN.) FROM ALL FRESH AIR INTAKE.
5. ALL GAS LINES FOR KITCHEN EQUIPMENT WILL TERMINATE ABOVE CEILING UNTIL AFTER THE EQUIPMENT IS INSTALLED THEN EXTENDED DOWN FOR FINAL CONNECTION.
6. CONTRACTOR TO PROVIDE DIRT LEGS IN GAS PIPING AT HVAC UNITS & COOKING APPLIANCES.
7. NO GAS PIPING SHALL PENETRATE ANY FIRE CHASE OR HVAC PLENUM OR DUCT WORK.
8. WATER HEATER FLUE VENT FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR.
9. PLUMBING CONTRACTOR SHALL INSTALL CONDENSATE DRAIN AND FURNISH & INSTALL ALL GAS PIPING INCLUDING FINAL CONNECTIONS. GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE & BANDED MALLEABLE IRON FITTINGS.
   DO NOT PRESSURE CHECK GAS LINES WHEN HOOKED UP TO COOKING EQUIPMENT OR HVAC UNITS (EXCESSIVE PRESSURE WILL DAMAGE GAS VALVES, PRESSURE REGULATORS AND MANUAL SHUTOFF VALVES.) FINAL LEAK TESTING FROM SHUTOFF TO EQUIPMENT TO BE DONE UNDER NORMAL PRESSURE WITH SOAP/WATER SOLUTION AFTER GAS PIPING IS CONNECTED.

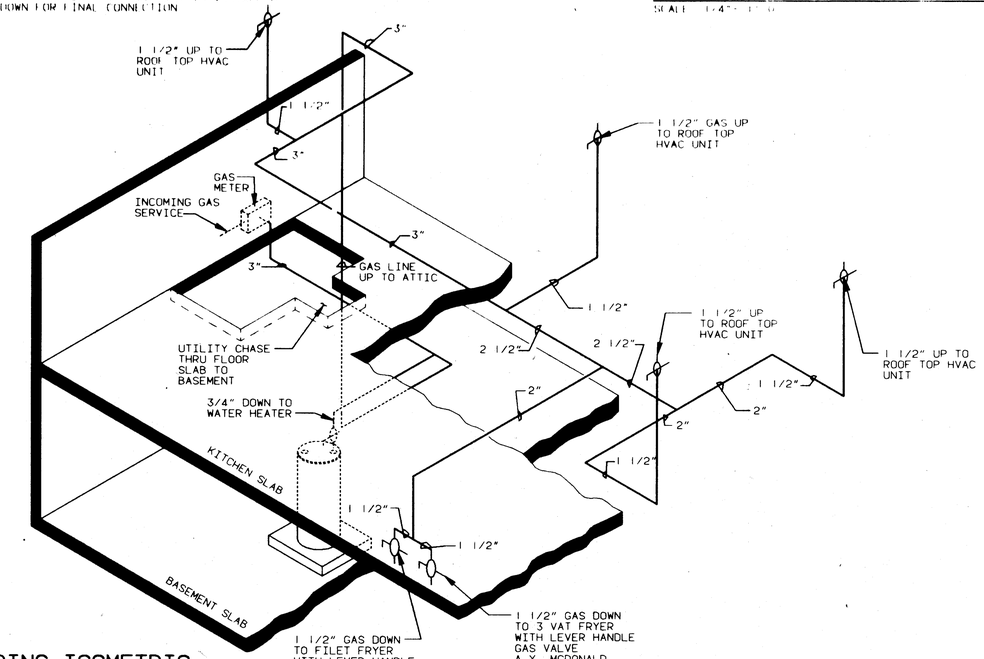

3" GAS LINE UP TO METER AT GRADE LEVEL
3"
3/4" GAS DOWN TO 72"A.F.F. FOR WATER HEATER (96,000 BTUH)
3" UP CHASE TO ATTIC SPACE
GAS METER REGULATOR, ETC
INCOMING SERVICE
3" GAS LINE DOWN TO WATER HEATER
SLEEVE THRU WALL 6" ABOVE SLAB
1 1/2" GAS UP HVAC UNIT ON ROOF
1 1/2" GAS UP TO HVAC UNIT ON ROOF
1 1/2" GAS UP HVAC UNIT ON ROOF
1 1/2"
2 1/2"
1 1/2" GAS UP TO HVAC UNIT ON ROOF
1 1/2"
2"
TERMINATE 2" PIPE ABOVE CEILING EXTEND DOWN TO EQUIPMENT DURING EQUIPMENT INSTALLATION
1 1/2" GAS FOR FILET FRYER (255,000 BTUH)
1 1/2" GAS FOR 3 VAT FRYER (255,000 BTUH)

BASEMENT GAS PIPING PLAN

SCALE 1/4" = 1'-0"

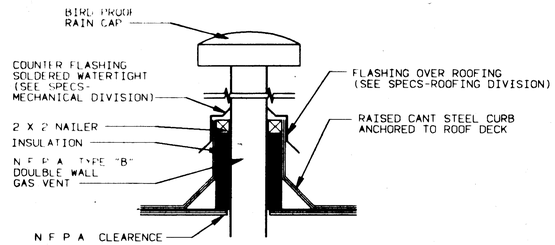
GAS PIPING PLAN

SCALE 1/4" = 1'-0"


1 1/2" UP TO ROOF TOP HVAC UNIT
3"
1 1/2"
3"
GAS METER
INCOMING GAS SERVICE
3"
3"
GAS LINE UP TO ATTIC
1 1/2" GAS UP TO ROOF TOP HVAC UNIT
1 1/2"
1 1/2" UP TO ROOF TOP HVAC UNIT
2 1/2"
2 1/2"
1 1/2" UP TO ROOF TOP HVAC UNIT
UTILITY CHASE THRU FLOOR SLAB TO BASEMENT
3/4" DOWN TO WATER HEATER
2"
1 1/2"
2"
KITCHEN SLAB
1 1/2"
1 1/2"
BASEMENT SLAB
1 1/2" GAS DOWN TO FILET FRYER WITH LEVER HANDLE GAS VALVE A.Y. MCDONALD MODEL 10701
1 1/2" GAS DOWN TO 3 VAT FRYER WITH LEVER HANDLE GAS VALVE A.Y. MCDONALD MODEL 10701

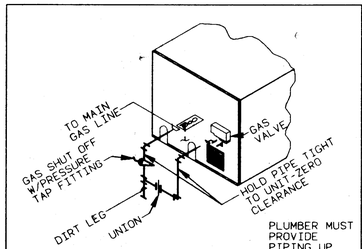
GAS PIPING ISOMETRIC

NO SCALE


BIRD PROOF RAIN CAP
COUNTER FLASHING SOLDERED WATERTIGHT (SEE SPECS-MECHANICAL DIVISION)
2 X 2 NAILER
INSULATION
N.F.P.A. TYPE "B" DOUBLE WALL GAS VENT
N.F.P.A. CLEARENCE
FLASHING OVER ROOFING (SEE SPECS-ROOFING DIVISION)
RAISED CANT STEEL CURB ANCHORED TO ROOF DECK

WATER HEATER FLUE VENT DETAIL

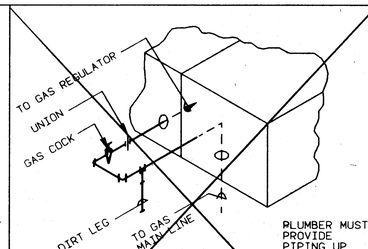
SCALE 1 1/2" = 1'-0"


TO MAIN GAS LINE
GAS SHUT OFF W/PRESSURE TAP FITTING
GAS VALVE
HOLD PIPE TIGHT TO UNIT-ZERO CLEARANCE
DIRT LEG
UNION
PLUMBER MUST PROVIDE PIPING UP THROUGH GAS ENTRY OF UNIT

GAS PIPING DETAIL

NO SCALE

AAON "RE" UNITS



GAS PIPING DETAIL

NO SCALE

YORK

REV | DATE | DESCRIPTION | BY | ISSUE REF
VIEW CONVENTION | SCALE | UNITS OF MEASURE: INCH

REGISTERED ARCHITECT STATE OF WASHINGTON No. 4496 ANDREW M. MAH

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

LOCAL ADDRESS

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE 37-84/89 BASEMENT

DRAWN BY WMP | DATE DRAWN 01SEP89 | DRAWING ID 9BM -3784BS

MATERIAL / DESCRIPTION GAS UTILITIES

CHECKED BY MAR | DATE CHECKED 30AUG89
APPROVED BY | DATE APPROVED
ISSUE REF | DATE ISSUED 01SEP89

SHEET NO P04
GAS UTILITIES

MC0184 (01FEB89)

GAS REQUIRED

KITCHEN

NAME OF APPLIANCE	BTUH DEMAND
WATER HEATER	96,000
(2) THREE VAT FRYERS	510,000
(1) THREE FOOT GRIDDLE	-------
TOTAL DEMAND (BTUH)	606,000

STANDARD TEMP.

HVAC

	NO	NAME-BTUH EACH AAON	NAME-BTUH EACH YORK	TOTAL DEMAND AAON	TOTAL DEMAND YORK
13 TON 12.5 TON	1	285,000	245,000	285,000	245,000
10 TON	1	285,000	245,000	285,000	245,000
7 TON 7.5 TON	1	142,500	204,000	142,500	204,000
5 TON	1	142,500	125,000	142,500	125,000
				855,000	819,000

TOTAL

TOTAL KITCHEN DEMAND		606,000	606,000
TOTAL HVAC DEMAND	AAON	855,000	
	YORK		819,000
TOTAL GAS REQUIRED		1,461,000	1,425,000

EXTREME TEMP.

HVAC

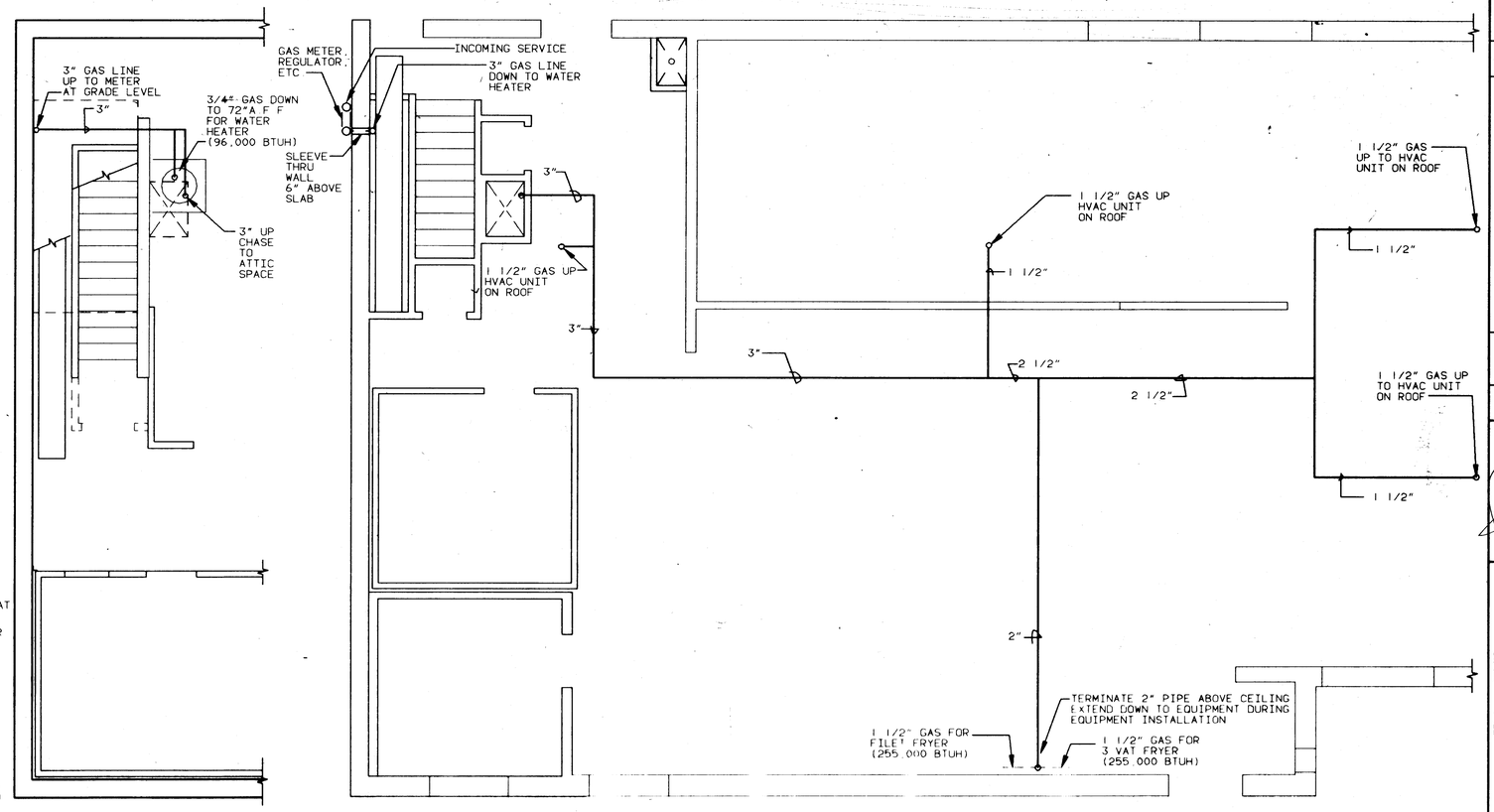
TYPE	NO	NAME-BTUH EACH AAON	NAME-BTUH EACH YORK	TOTAL DEMAND AAON	TOTAL DEMAND YORK
13 TON 12.5 TON	1	285,000	245,000	285,000	245,000
10 TON	1	285,000	245,000	285,000	245,000
8 TON 7.5 TON	1	225,000	204,000	225,000	204,000
5 TON	1	142,500	125,000	142,500	125,000
TOTAL DEMAND				937,500	819,000

TOTAL

TOTAL KITCHEN DEMAND		606,000	606,000
TOTAL HVAC DEMAND	AAON	937,500	
	YORK		819,000
TOTAL GAS REQUIRED		1,543,500	1,425,000

GENERAL NOTES

1. THIS SYSTEM IS DESIGNED FOR A MINIMUM OF 9" WATER COLUMN ON THE BUILDING SIDE OF THE METER. THE PRESSURE DROP FROM THE METER TO ANY APPLIANCE SHOULD NOT EXCEED 0.3" WATER COLUMN
2. THE PLUMBING CONTRACTOR SHALL MEASURE AND VERIFY THE FOLLOWING CORRECT GAS PRESSURE AT EACH COOKING APPLIANCE AND HVAC UNIT WHEN ALL APPLIANCES AND HVAC UNITS ARE FIRING
   WOLF GRILL 5" W.C. NATURAL, 10" W.C. L.P.
   FRYMASTER 3 1/2" W.C. NATURAL, 8 1/4" W.C. L.P.
   VULCAN HART FRYER 3.7" W.C. NATURAL, 10" W.C. L.P.
   HVAC UNIT 3 1/2" W.C. NATURAL, 11" W.C. L.P.
3. BUILDING PRESSURE SHOULD BE 9" W.C. MINIMUM, 10" MAXIMUM
4. GAS WATER HEATER VENT MUST BE 10'-0" AWAY (MIN.) FROM ALL FRESH AIR INTAKE
5. ALL GAS LINES FOR KITCHEN EQUIPMENT WILL TERMINATE ABOVE CEILING UNTIL AFTER THE EQUIPMENT IS INSTALLED THEN EXTENDED DOWN FOR FINAL CONNECTION
6. CONTRACTOR TO PROVIDE DIRT LEGS IN GAS PIPING AT HVAC UNITS & COOKING APPLIANCES
7. NO GAS PIPING SHALL PENETRATE ANY FIRE CHASE OR HVAC PLENUM OR DUCT WORK
8. WATER HEATER FLUE VENT FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR
9. PLUMBING CONTRACTOR SHALL INSTALL CONDENSATE DRAIN AND FURNISH & INSTALL ALL GAS PIPING INCLUDING FINAL CONNECTIONS. GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE & BANDED MALLEABLE IRON FITTINGS.
10. DO NOT PRESSURE CHECK GAS LINES WHEN HOOKED UP TO COOKING EQUIPMENT OR HVAC UNITS (EXCESSIVE PRESSURE WILL DAMAGE GAS VALVES, PRESSURE REGULATORS AND MANUAL SHUTOFF VALVES.) FINAL LEAK TESTING FROM SHUTOFF TO EQUIPMENT TO BE DONE UNDER NORMAL PRESSURE WITH SOAP/WATER SOLUTION AFTER GAS PIPING IS CONNECTED

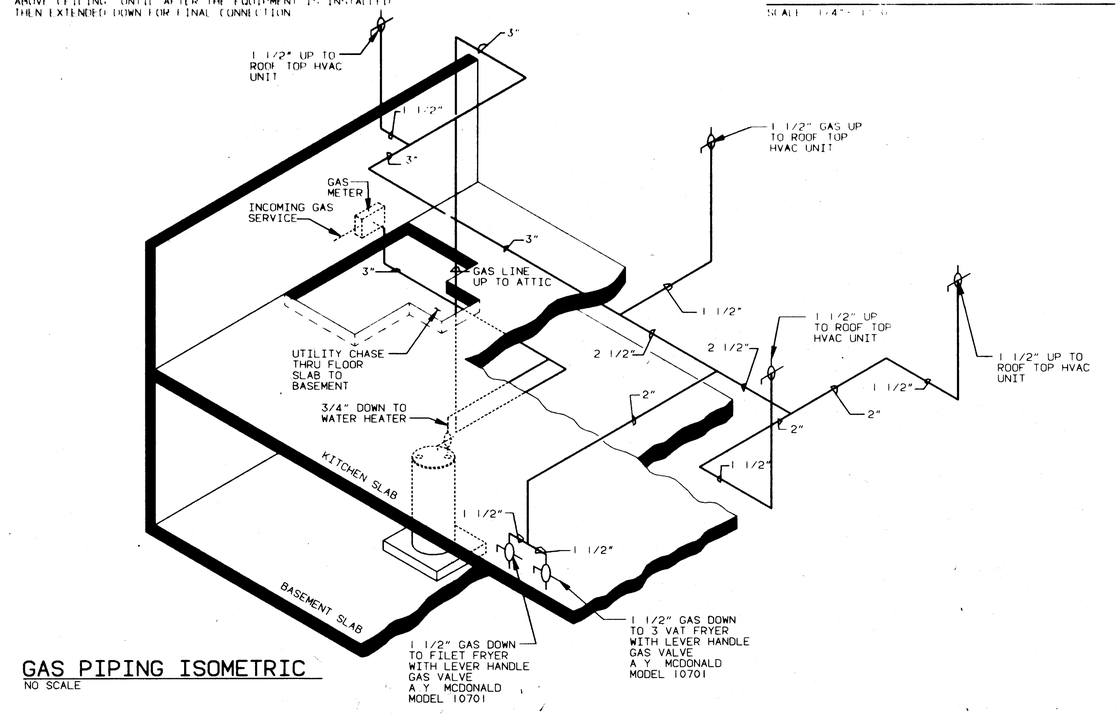

3" GAS LINE UP TO METER AT GRADE LEVEL
3"
3/4" GAS DOWN TO 72"A.F.F. FOR WATER HEATER (96,000 BTUH)
3" UP CHASE TO ATTIC SPACE
GAS METER, REGULATOR, ETC
INCOMING SERVICE
3" GAS LINE DOWN TO WATER HEATER
SLEEVE THRU WALL 6" ABOVE SLAB
3"
1 1/2" GAS UP HVAC UNIT ON ROOF
3"
3"
1 1/2" GAS UP TO HVAC UNIT ON ROOF
1 1/2"
1 1/2" GAS UP HVAC UNIT ON ROOF
2 1/2"
2 1/2"
1 1/2" GAS UP TO HVAC UNIT ON ROOF
1 1/2"
2"
TERMINATE 2" PIPE ABOVE CEILING EXTEND DOWN TO EQUIPMENT DURING EQUIPMENT INSTALLATION
1 1/2" GAS FOR FILET FRYER (255,000 BTUH)
1 1/2" GAS FOR 3 VAT FRYER (255,000 BTUH)

BASEMENT GAS PIPING PLAN

SCALE 1/4" = 1'-0"

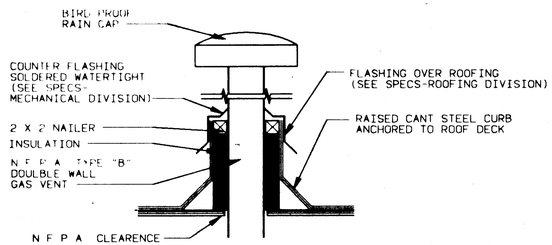
GAS PIPING PLAN

SCALE 1/4" = 1'-0"


1 1/2" UP TO ROOF TOP HVAC UNIT
5"
1 1/2"
3"
GAS METER
INCOMING GAS SERVICE
3"
3"
GAS LINE UP TO ATTIC
UTILITY CHASE THRU FLOOR SLAB TO BASEMENT
3/4" DOWN TO WATER HEATER
KITCHEN SLAB
BASEMENT SLAB
1 1/2" GAS UP TO ROOF TOP HVAC UNIT
1 1/2"
1 1/2" UP TO ROOF TOP HVAC UNIT
2 1/2"
2 1/2"
1 1/2" UP TO ROOF TOP HVAC UNIT
2"
1 1/2"
2"
2"
1 1/2"
1 1/2"
1 1/2" GAS DOWN TO FILET FRYER WITH LEVER HANDLE GAS VALVE A.Y. MCDONALD MODEL 10701
1 1/2" GAS DOWN TO 3 VAT FRYER WITH LEVER HANDLE GAS VALVE A.Y. MCDONALD MODEL 10701

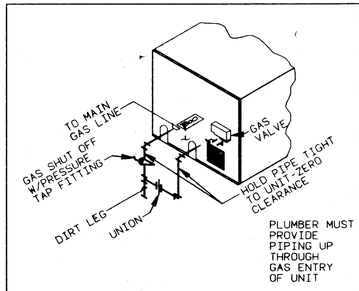
GAS PIPING ISOMETRIC

NO SCALE


BIRD PROOF RAIN CAP
COUNTER FLASHING SOLDERED WATERTIGHT (SEE SPECS-MECHANICAL DIVISION)
2 X 2 NAILER
INSULATION
N.F.P.A. TYPE "B" DOUBLE WALL GAS VENT
N.F.P.A. CLEARANCE
FLASHING OVER ROOFING (SEE SPECS-ROOFING DIVISION)
RAISED CANT STEEL CURB ANCHORED TO ROOF DECK

WATER HEATER FLUE VENT DETAIL

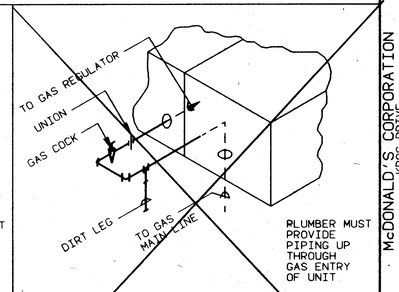
SCALE 1 1/2" = 1'-0"


TO MAIN GAS LINE
GAS SHUT OFF W/PRESSURE TAP FITTING
GAS VALVE
HOLD PIPE TIGHT TO UNIT-ZERO CLEARANCE
DIRT LEG
UNION
PLUMBER MUST PROVIDE PIPING UP THROUGH GAS ENTRY OF UNIT

GAS PIPING DETAIL

NO SCALE

AAON "RE" UNITS



GAS PIPING DETAIL

NO SCALE

YORK

REV	DATE	DESCRIPTION	BY	ISSUE REF
VIEW CONVENTION		SCALE	UNITS OF MEASURE	INCH

REGISTERED ARCHITECT — STATE OF WISCONSIN — No. 4496 — ANDREW J. HEIPP

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

McDONALD'S CORPORATION
ARCHITECTURAL DIVISION
OAK BROOK, ILLINOIS 60521

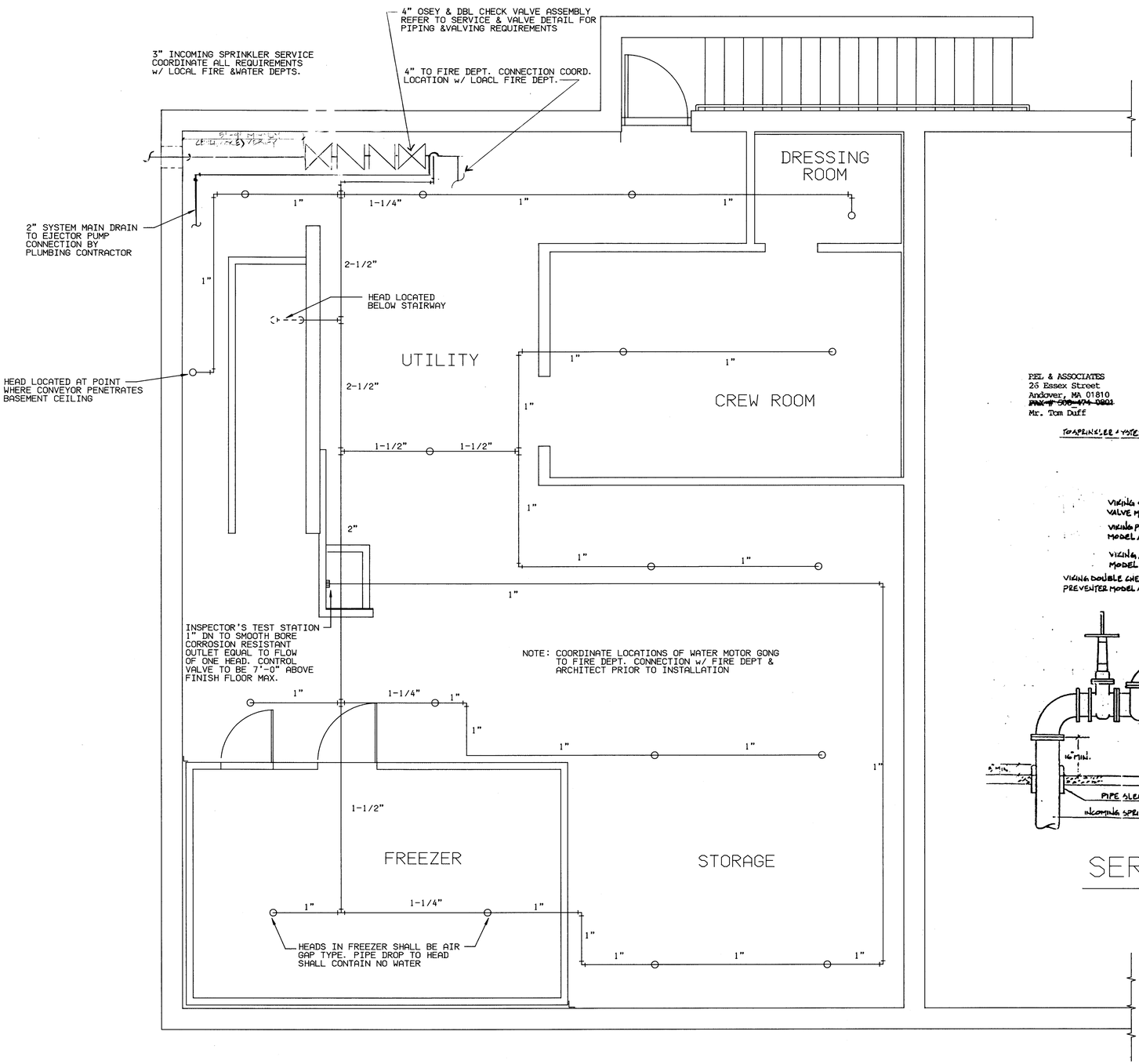
TITLE	DRAWN BY	DATE DRAWN	DRAWING NO
37-84/89 BASEMENT	WMP	01AUG89	9BM -3784BS

MATERIAL / DESCRIPTION	CHECKED BY	DATE CHECKED
GAS UTILITIES	MAR	30AUG89
	APPROVED BY	DATE APPROVED
		01SEP89
	ISSUE REF	DATE ISSUED
		01SEP89

LOCAL ADDRESS

SHEET NO P04
GAS UTILITIES

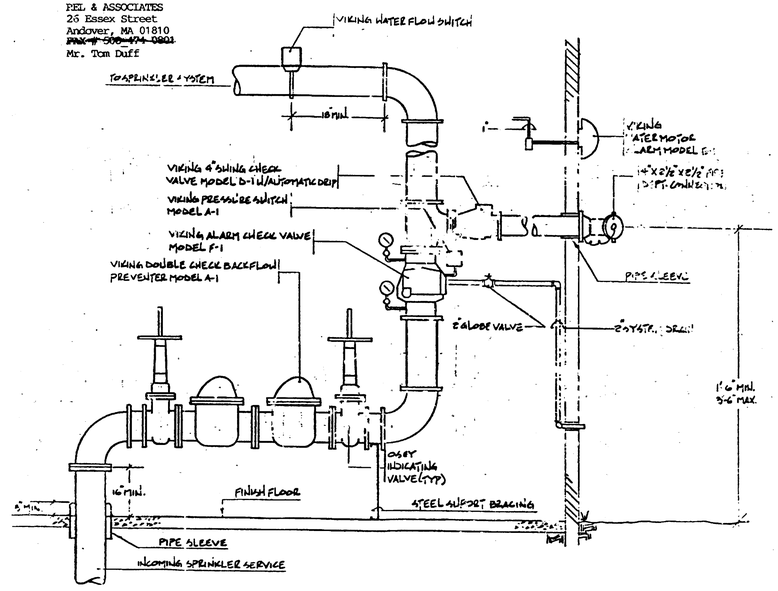
WCB104 (07FEB89)



BASEMENT SPRINKLER PLAN

SCALE: 3/8" = 1'-0"

PEL & ASSOCIATES
26 Essex Street
Andover, MA 01810
~~FAX # 508-474-0801~~
Mr. Tom Duff



SERVICE & VALVE DETAIL

REV	DATE	DESCRIPTION	BY	ISSUE REF
1	2·1·90	CODE UPDATE		

UNITS OF MEASURE: INCH
SCALE: ———
VIEW CONVENTION

REGISTERED ARCHITECT
JOHN FREDERICK DUFF
No. 4496
WASHINGTON
STATE OF WASHINGTON

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF
McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED
WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS: ———

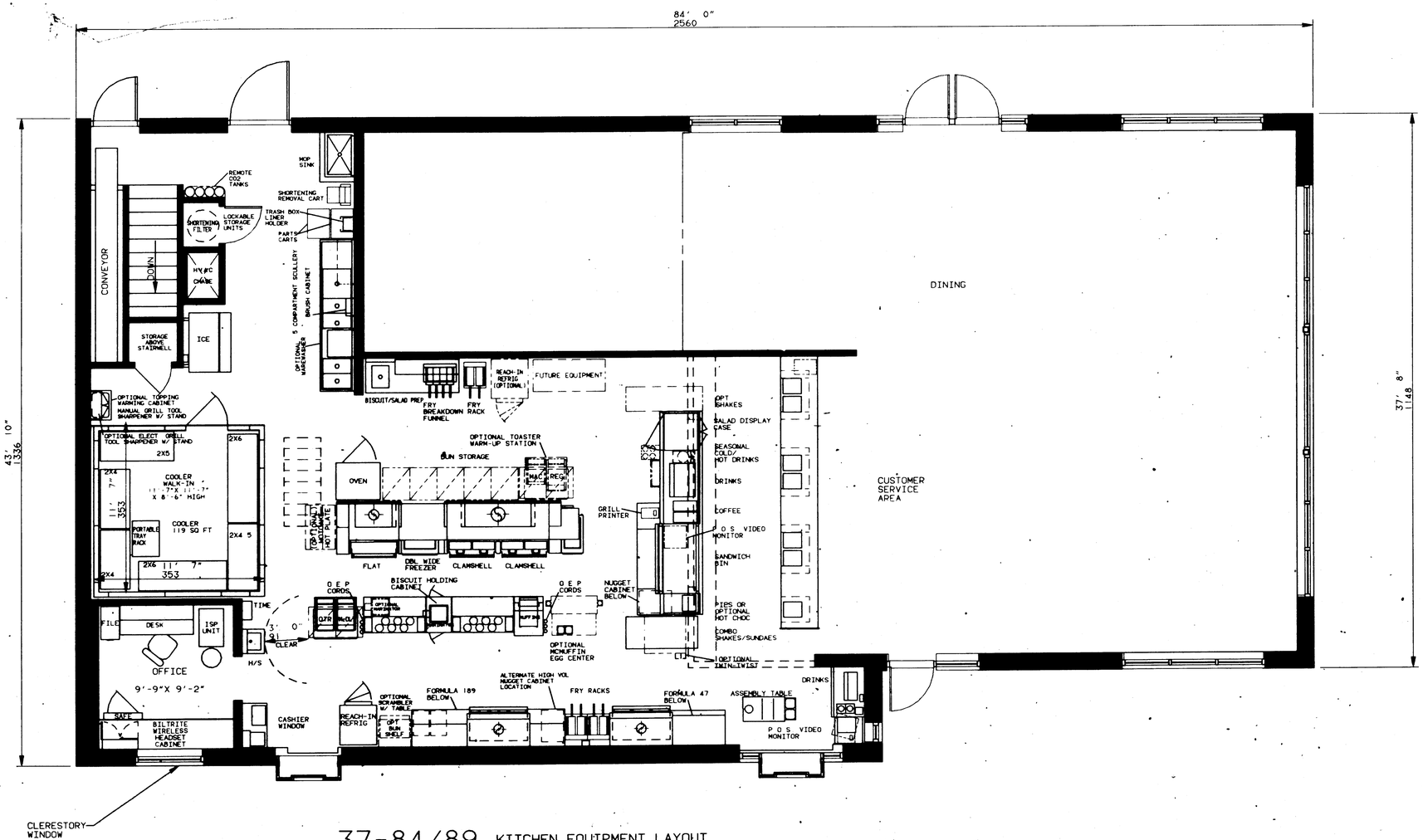
McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE: 37-84/89 BASEMENT

DRAWN BY: MAP	MATERIAL / DESCRIPTION: ROOF PLAN	CHECKED BY: MAP	DATE CHECKED: 01SEP89
DATE DRAWN: 01AUG89	BASEMENT PIPING PLAN	APPROVED BY:	DATE APPROVED: 01SEP89
DRAWING ID: 9BM -3784BS		ISSUE REF: —-—	DATE ISSUED: 01SEP89

SHEET NO. SPR1

MCD104 (01FEB89)



37-84/89 KITCHEN EQUIPMENT LAYOUT

SCALE FT-IN 1/4"=1'-0"/CM

REV	DATE	DESCRIPTION	BY
VIEW CONVENTION		SCALE 1/4"=1'-0"	ISSUE REF
		UNITS OF MEASURE	INCH _CM_

REGISTERED ARCHITECT No. 44855 ABOVE NAME COMMONWEALTH OF MASSACHUSETTS

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE 37-84/89 - BASEMENT -

MATERIAL / DESCRIPTION ____ FIRST FLOOR ____ PLAN

DRAWN BY CES
DATE 27FEB89
DRAWING ID 89

CHECKED BY CES
APPROVED BY XXX
ISSUE REF -

DATE CHECKED 01SEP89
DATE APPROVED XXX
DATE ISSUED 01SEP89

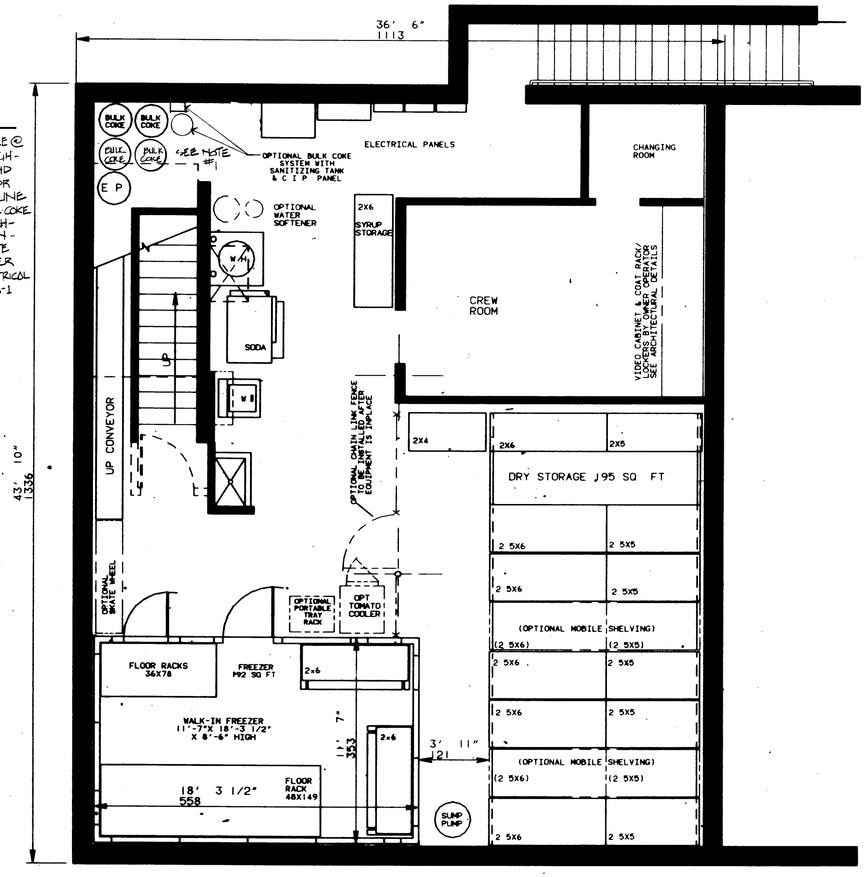
3784 BCC

SHEET NO CVS

MCD184 (01FEB89)

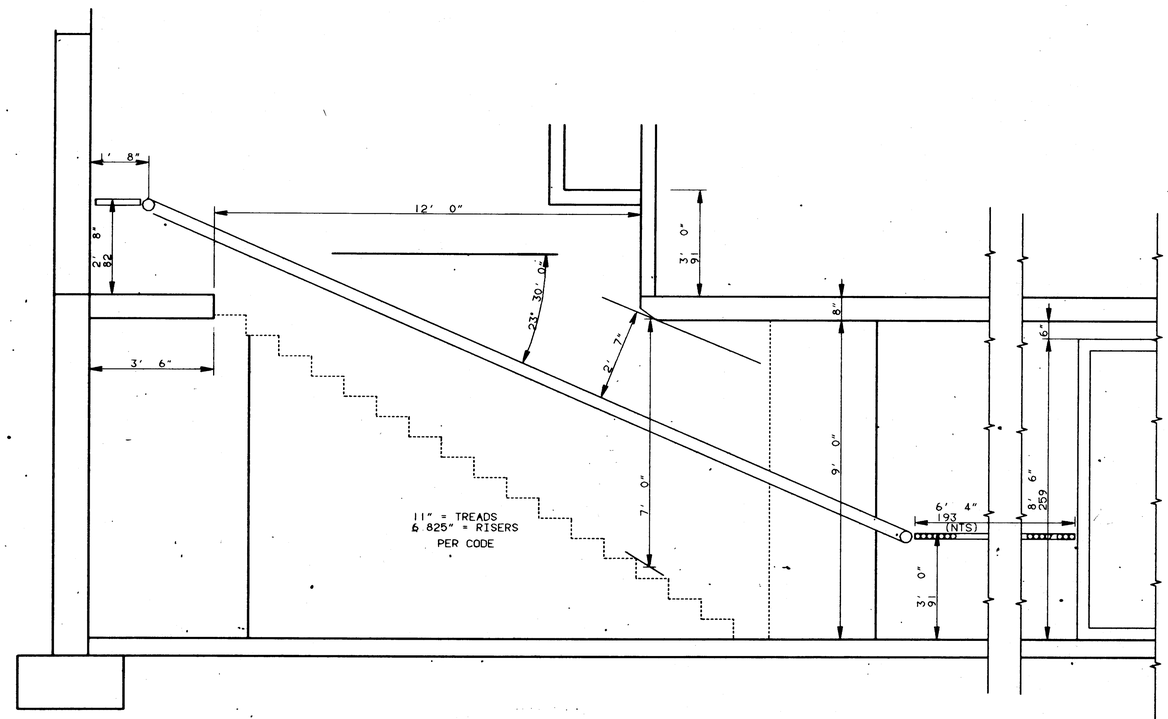
NOTE #1

RELOCATE BULK COKE @ THIS LOCATION THROUGHOUT K-DRAWINGS AND BLDG. SET. (ALLOW FOR INCOMING SPRINKLER LINE 7'-6" BETWEEN BULK COKE AND MODULAR SWITCHGEAR) GENERAL CONTRACTOR TO COORDINATE WITH REG., SPRINKLER INSTALLER AND ELECTRICAL CONTRACTOR. SEE SPR-1



37-84/89 BASEMENT EQUIPMENT LAYOUT

SCALE FT-IN 1/4"=1'-0"/CM



SECTION AT CONVEYOR

SCALE 1/2" = 1'-0"

REV	DATE	DESCRIPTION	BY	ISSUE REF
1	2.22.89	RELOCATE BULK COKE	A.L.	
		VIEW CONVENTION		

SCALE 1/4"=1'-0" UNITS OF MEASURE INCH [CM]

REGISTERED ARCHITECT No. 4496 LINDQUIST JAMES J. STATE OF ILLINOIS

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE 37-84/89 - BASEMENT -

DRAWN BY CES	MATERIAL / DESCRIPTION BASEMENT FLOOR PLAN	CHECKED BY CES	DATE CHECKED 08DEC89
DATE DRAWN 27FEB89		APPROVED BY ____	DATE APPROVED XXX
DRAWING ID 89 3784 BCS		ISSUE REF --	DATE ISSUED 01SEP89

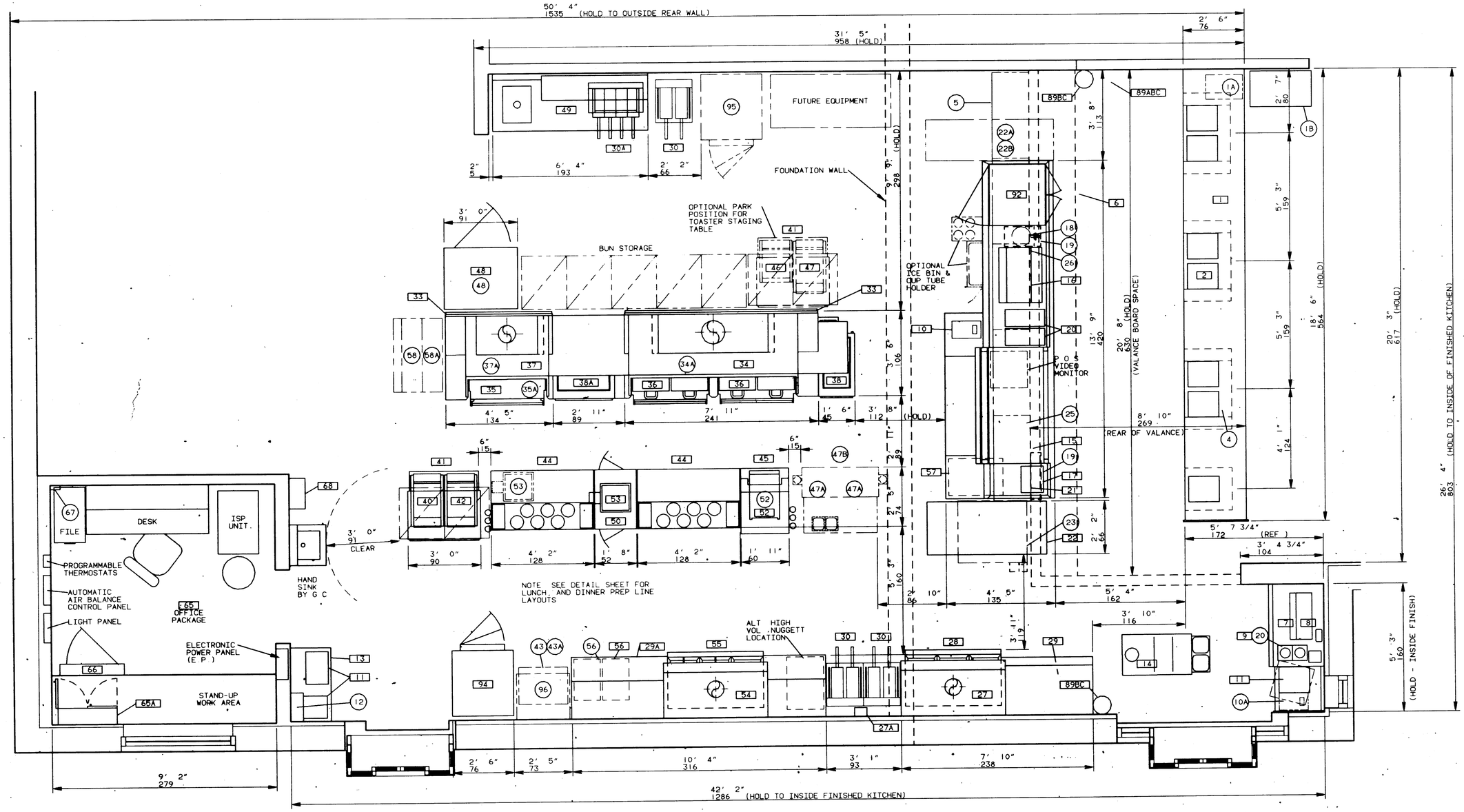
SHEET NO CVS

EDITED (07FEB89)

EQUIPMENT IDENTIFICATION

○ DENOTES OPTIONAL ITEMS

1	FRONT COUNTER ASSEMBLY
(1A)	COFFEE REFILL CENTER (OPTIONAL)
(1B)	COFFEE REFILL/NEWS PAPER CART-OPT
2	KEY STATION
(4)	MENU TV MONITOR (OPTIONAL)
(5)	VALANCE SHELVES (OPTIONAL)
6	MENU BOARD
7	BEVERAGE STATION/CASH STAND
8	FRONT DRAW SODA TOWER
9	COFFEE WARMER
10	GRILL PRINTER
(10A)	RECEIPT PRINTER (OPTIONAL)
11	KEY STATION
(12)	COIN DISPENSER W/BRIDGE (OPT)
13	CASH STAND
14	ASSEMBLY/CONDIMENT TABLE
15	CENTER ISLAND
16	PASS-THRU SODA TOWER
17	PIE DISPLAY
(18)	ICE TEA DISPENSER (OPTIONAL)
(19)	HOT CHOCOLATE (OPTIONAL)
20	COFFEE MAKER
21	COOKIE DISPLAY
22	SHAKE/SUNDAE MACHINE
(22A)	SHAKE MACHINE-SINGLE(OPTIONAL)
(22B)	SHAKE MACHINE-DOUBLE(OPTIONAL)
(23)	TWIN TWIST (OPTIONAL)
(25)	O J BASE UNIT (OPTIONAL)
(26)	O J DISPENSER (OPTIONAL)
27	3 VAT FRY STATION
27A	FILET/FRY STATION GAS CHASE
28	3 VAT FRYER
29	FRY SHORTENING CONTAINER
29A	VEG SHORTENING CONTAINER
30	FRY RACKS (3)
30A	FRY BREAKDOWN FUNNEL
31	NO ITEM
32	NO ITEM
33	BUMPER GUARD
34	GRIDDLE STATION (CLAM SHELL)
(34A)	GRIDDLE STA (OPTIONAL - E S P)
35	3 FT FLAT GRILL (ELECTRIC)
(35A)	3 FT FLAT GRILL (OPTIONAL GAS)
36	3 FT CLAMSHELL GRILL W/2 HALVES
37	GRIDDLE STATION (ELECTRIC)
(37A)	GRIDDLE STATION (OPTIONAL GAS)
38	PORTABLE MEAT FREEZER
38A	PORTABLE MEAT FREEZER (DBL. WIDE)
40	#213DAP TOASTER (QT POUNDER)
41	TOASTER STAGE TABLE
42	#213DAP TOASTER (MC DLT)
(43)	#44AP EGG SCRAMBLER (OPTIONAL)
(43A)	EGG SCRAMBLER TABLE (OPTIONAL)
44	MAKE-UP TABLE (8 HOLE)
45	3-TIER TOASTER TABLE
46	#416DAP TOASTER (BIG MAC)
47	#213DAP TOASTER (REGULAR)
(47A)	#MEC-6SP EGG COOKER (OPTIONAL)
(47B)	MCMUFFIN EGG CENTER (OPTIONAL)
48	BISCUIT OVEN W/PREP TOP & CASTERS
49	FOOD PREP TABLE
50	BISCUIT HOLDING CAB'NT(2-DOOR)
51	NO ITEM
52	MUFFIN TOASTER (HEMT)
53	MARINATOR (MEAT)
54	FILET/PIE/CHICKEN STATION
55	3 VAT FRYER (F S S)
56	BUN STEAMER
57	CHICKEN MC NUGGET HOLDING CABINET
(58)	HOT CAKES (OPTIONAL)
(58A)	HOT CAKE OVER SHELF (OPTIONAL)
65	OFFICE PACKAGE
65A	CABINET (WIRELESS HEAD SET)
66	SAFE
(67)	FREEZER ALARM (OPTIONAL)
68	TIME RECORDER
89	FIRE EXTINGUISHER
92	SALAD DISPLAY
94	REACH-IN REFRIGERATOR
(95)	REACH-IN REFRIGERATOR (OPT)
(96)	WALL MOUNTED BUN SHELF (OPT)


50' 4" 1535 (HOLD TO OUTSIDE REAR WALL)
31' 5" 958 (HOLD)
2' 6" 76
FUTURE EQUIPMENT
FOUNDATION WALL
9' 9" 298 (HOLD)
OPTIONAL PARK POSITION FOR TOASTER STAGING TABLE
BUN STORAGE
OPTIONAL ICE BIN & CUP TUBE HOLDER
P O S VIDEO MONITOR
89BC
89ABC
3' 8" 113
20' 8" 630 (HOLD) (VALANCE BOARD SPACE)
13' 9" 420
8' 10" 269 (REAR OF VALANCE)
5' 3" 159
4' 1" 124
18' 6" 564 (HOLD)
20' 3" 617 (HOLD)
26' 4" 803 (HOLD TO INSIDE OF FINISHED KITCHEN)
5' 7 3/4" 172 (REF)
3' 4 3/4" 104
5' 3" 160 (HOLD - INSIDE FINISH)
DESK
ISP UNIT
FILE
PROGRAMMABLE THERMOSTATS
AUTOMATIC AIR BALANCE CONTROL PANEL
LIGHT PANEL
65 OFFICE PACKAGE
ELECTRONIC POWER PANEL (E P)
STAND-UP WORK AREA
HAND SINK BY G C
3' 0" 91 CLEAR
NOTE SEE DETAIL SHEET FOR LUNCH, AND DINNER PREP LINE LAYOUTS
ALT HIGH VOL. NUGGETT LOCATION
3' 11" 119
4' 5" 135
5' 4" 162
3' 10" 116
9' 2" 279
2' 6" 76
2' 5" 73
10' 4" 316
3' 1" 93
7' 10" 238
42' 2" 1286 (HOLD TO INSIDE FINISHED KITCHEN)

FRONT KITCHEN EQUIPMENT LAYOUT

SCALE FT-IN 1/2"=1'-0"/CM

REV	DATE	VIEW CONVENTION

ISSUE REF	BY	UNITS OF MEASURE	INCH / CM

DESCRIPTION

SCALE 1/2"=1'-0"

LOCAL ADDRESS

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

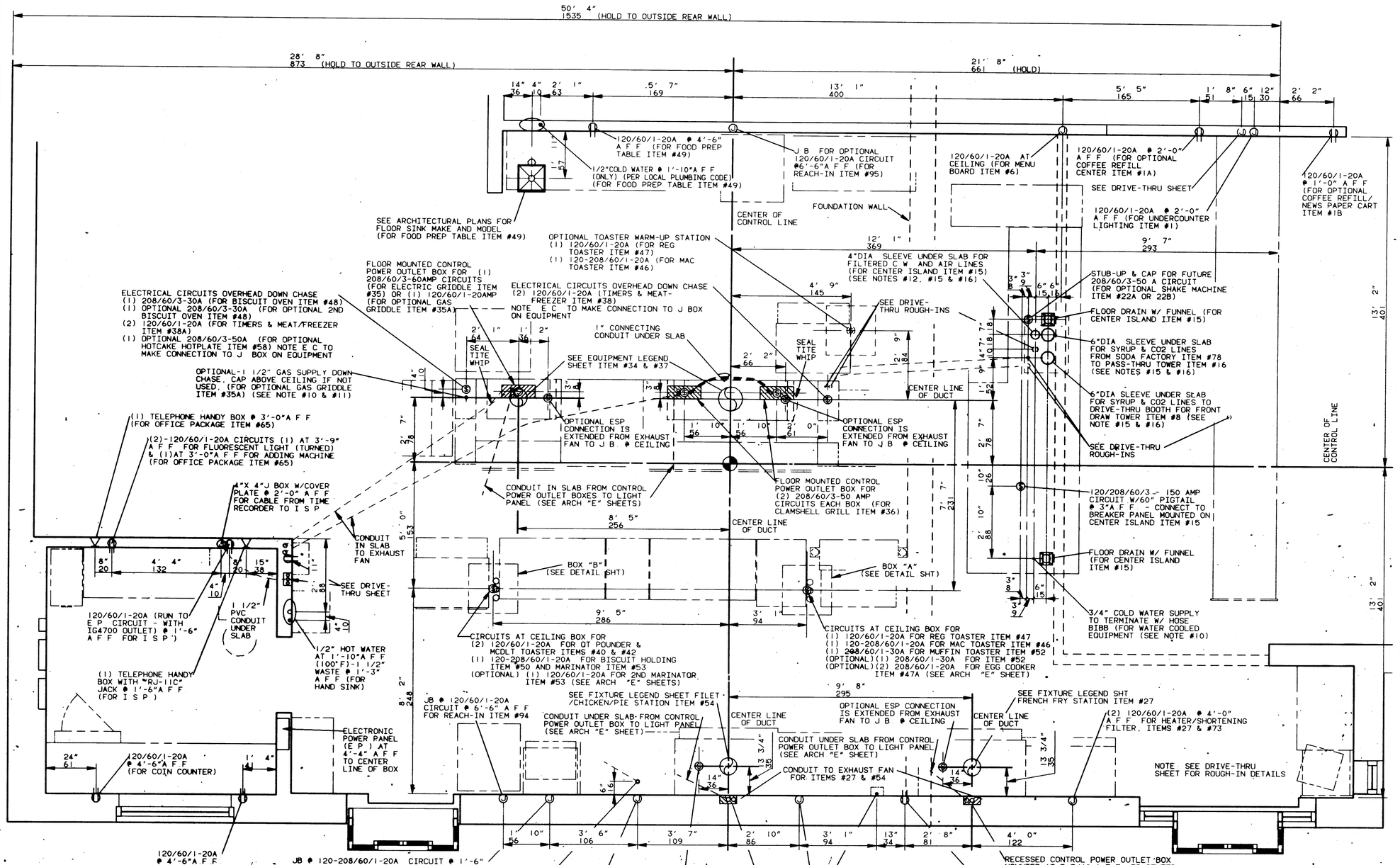
McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE	37-84/89
DRAWN BY	NEJ
DATE DRAWN	20APR89
DRAWING ID	89 3784 BCL
MATERIAL / DESCRIPTION	FRONT KITCHEN LAYOUT PLAN
CHECKED BY	EES
APPROVED BY	
ISSUE REF	-
DATE CHECKED	08DEC89
DATE APPROVED	XXX
DATE ISSUED	01SEP89

SHEET NO. K01

REGISTERED AND LICENSED ARCHITECT No. 44590 ANDREW J. MASK STATE OF ILLINOIS

M2DT84 (01FEB89)


50' 4" 1535 (HOLD TO OUTSIDE REAR WALL)
28' 8" 873 (HOLD TO OUTSIDE REAR WALL)
21' 8" 661 (HOLD)
14" 4" 36
2' 1" 63
5' 7" 169
13' 1" 400
5' 5" 165
1' 8" 51
6" 12" 15 30
2' 2" 66
120/60/1-20A @ 4'-6" A F F (FOR FOOD PREP TABLE ITEM #49)
1/2"COLD WATER @ 1'-10"A F F (ONLY) (PER LOCAL PLUMBING CODE) (FOR FOOD PREP TABLE ITEM #49)
J B FOR OPTIONAL 120/60/1-20A CIRCUIT @6'-6"A F F (FOR REACH-IN ITEM #95)
120/60/1-20A AT CEILING (FOR MENU BOARD ITEM #6)
120/60/1-20A @ 2'-0" A F F (FOR OPTIONAL COFFEE REFILL CENTER ITEM #1A)
SEE DRIVE-THRU SHEET
120/60/1-20A @ 2'-0" A F F (FOR UNDERCOUNTER LIGHTING ITEM #1)
120/60/1-20A @ 1'-0" A F F (FOR OPTIONAL COFFEE REFILL/ NEWS PAPER CART ITEM #1B
SEE ARCHITECTURAL PLANS FOR FLOOR SINK MAKE AND MODEL (FOR FOOD PREP TABLE ITEM #49)
CENTER OF CONTROL LINE
FOUNDATION WALL
OPTIONAL TOASTER WARM-UP STATION
(1) 120/60/1-20A (FOR REG TOASTER ITEM #47)
(1) 120-208/60/1-20A (FOR MAC TOASTER ITEM #46)
12' 1" 369
9' 7" 293
4"DIA SLEEVE UNDER SLAB FOR FILTERED C W AND AIR LINES (FOR CENTER ISLAND ITEM #15) (SEE NOTES #12, #15 & #16)
STUB-UP & CAP FOR FUTURE 208/60/3-50 A CIRCUIT (FOR OPTIONAL SHAKE MACHINE ITEM #22A OR 22B)
FLOOR MOUNTED CONTROL POWER OUTLET BOX FOR (1) 208/60/3-60AMP CIRCUITS (FOR ELECTRIC GRIDDLE ITEM #35) OR (1) 120/60/1-20AMP (FOR OPTIONAL GAS GRIDDLE ITEM #35A)
ELECTRICAL CIRCUITS OVERHEAD DOWN CHASE (1) 208/60/3-30A (FOR BISCUIT OVEN ITEM #48) (1) OPTIONAL 208/60/3-30A (FOR OPTIONAL 2ND BISCUIT OVEN ITEM #48) (2) 120/60/1-20A (FOR TIMERS & MEAT/FREEZER ITEM #38A) (1) OPTIONAL 208/60/3-50A (FOR OPTIONAL HOTCAKE HOTPLATE ITEM #58) NOTE E C TO MAKE CONNECTION TO J BOX ON EQUIPMENT
ELECTRICAL CIRCUITS OVERHEAD DOWN CHASE (2) 120/60/1-20A (TIMERS & MEAT-FREEZER ITEM #38) NOTE E C TO MAKE CONNECTION TO J BOX ON EQUIPMENT
4' 9" 145
SEE DRIVE-THRU ROUGH-INS
1" CONNECTING CONDUIT UNDER SLAB
SEAL TITE WHIP
FLOOR DRAIN W/ FUNNEL (FOR CENTER ISLAND ITEM #15)
6"DIA SLEEVE UNDER SLAB FOR SYRUP & CO2 LINES FROM SODA FACTORY ITEM #78 TO PASS-THRU TOWER ITEM #16 (SEE NOTES #15 & #16)
OPTIONAL-1 1/2" GAS SUPPLY DOWN CHASE, CAP ABOVE CEILING IF NOT USED, (FOR OPTIONAL GAS GRIDDLE ITEM #35A) (SEE NOTE #10 & #11)
SEE EQUIPMENT LEGEND SHEET ITEM #34 & #37
CENTER LINE OF DUCT
6"DIA SLEEVE UNDER SLAB FOR SYRUP & CO2 LINES TO DRIVE-THRU BOOTH FOR FRONT DRAW TOWER ITEM #8 (SEE NOTE #15 & #16)
(1) TELEPHONE HANDY BOX @ 3'-0"A F F (FOR OFFICE PACKAGE ITEM #65)
(2)-120/60/1-20A CIRCUITS (1) AT 3'-9" A F F FOR FLUORESCENT LIGHT (TURNED) & (1)AT 3'-0"A F F FOR ADDING MACHINE (FOR OFFICE PACKAGE ITEM #65)
OPTIONAL ESP CONNECTION IS EXTENDED FROM EXHAUST FAN TO J B @ CEILING
OPTIONAL ESP CONNECTION IS EXTENDED FROM EXHAUST FAN TO J B @ CEILING
SEE DRIVE-THRU ROUGH-INS
4"X 4"J BOX W/COVER PLATE @ 2'-0" A F F FOR CABLE FROM TIME RECORDER TO I S P
CONDUIT IN SLAB FROM CONTROL POWER OUTLET BOXES TO LIGHT PANEL (SEE ARCH "E" SHEETS)
FLOOR MOUNTED CONTROL POWER OUTLET BOX FOR (2) 208/60/3-50 AMP CIRCUITS EACH BOX (FOR CLAMSHELL GRILL ITEM #36)
120/208/60/3 - 150 AMP CIRCUIT W/60" PIGTAIL @ 3'A F F - CONNECT TO BREAKER PANEL MOUNTED ON CENTER ISLAND ITEM #15
CONDUIT IN SLAB TO EXHAUST FAN
8' 5" 256
CENTER LINE OF DUCT
FLOOR DRAIN W/ FUNNEL (FOR CENTER ISLAND ITEM #15)
SEE DRIVE-THRU SHEET
BOX "B" (SEE DETAIL SHT)
BOX "A" (SEE DETAIL SHT)
3/4" COLD WATER SUPPLY TO TERMINATE W/ HOSE BIBB (FOR WATER COOLED EQUIPMENT (SEE NOTE #10)
9' 5" 286
3' 1" 94
CIRCUITS AT CEILING BOX FOR (2) 120/60/1-20A FOR QT POUNDER & MCDLT TOASTER ITEMS #40 & #42 (1) 120-208/60/1-20A FOR BISCUIT HOLDING ITEM #50 AND MARINATOR ITEM #53 (OPTIONAL) (1) 120/60/1-20A FOR 2ND MARINATOR ITEM #53 (SEE ARCH "E" SHEETS)
CIRCUITS AT CEILING BOX FOR (1) 120/60/1-20A FOR REG TOASTER ITEM #47 (1) 120-208/60/1-20A FOR MAC TOASTER ITEM #46 (1) 208/60/1-30A FOR MUFFIN TOASTER ITEM #52 (OPTIONAL)(1) 208/60/1-30A FOR ITEM #52 (OPTIONAL)(2) 208/60/1-20A FOR EGG COOKER ITEM #47A (SEE ARCH "E" SHEET)
1 1/2" PVC CONDUIT UNDER SLAB
120/60/1-20A (RUN TO E P CIRCUIT - WITH IG4700 OUTLET) @ 1'-6" A F F FOR I S P')
1/2" HOT WATER AT 1'-10"A F F (100°F)-1 1/2" WASTE @ 1'-3" A F F (FOR HAND SINK)
(1) TELEPHONE HANDY BOX WITH "RJ-11C" JACK @ 1'-6"A F F (FOR I S P')
JB @ 120/60/1-20A CIRCUIT @ 6'-6" A F F FOR REACH-IN ITEM #94
SEE FIXTURE LEGEND SHEET FILET /CHICKEN/PIE STATION ITEM #54
CONDUIT UNDER SLAB FROM CONTROL POWER OUTLET BOX TO LIGHT PANEL (SEE ARCH "E" SHEET)
9' 8" 295
OPTIONAL ESP CONNECTION IS EXTENDED FROM EXHAUST FAN TO J B @ CEILING
SEE FIXTURE LEGEND SHT FRENCH FRY STATION ITEM #27
(2) 120/60/1-20A @ 4'-0" A F F FOR HEATER/SHORTENING FILTER, ITEMS #27 & #73
ELECTRONIC POWER PANEL (E P) AT 4'-4" A F F TO CENTER LINE OF BOX
24" 61
120/60/1-20A @ 4'-6"A F F (FOR COIN COUNTER)
1' 4"
CONDUIT UNDER SLAB FROM CONTROL POWER OUTLET BOX TO LIGHT PANEL (SEE ARCH "E" SHEET)
CONDUIT TO EXHAUST FAN FOR ITEMS #27 & #54
NOTE: SEE DRIVE-THRU SHEET FOR ROUGH-IN DETAILS
120/60/1-20A @ 4'-6"A F F
JB @ 120-208/60/1-20A CIRCUIT @ 1'-6" A F F FOR OPTIONAL EGG SCRAMBLER ITEM #43
2" SLEEVE THRU SLAB FOR FILTERED COLD WATER LINES TO FILET STEAMER ITEM #56 (SEE NOTE #12 & #16)
OPTIONAL ESP CONNECTION IS EXTENDED FROM EXHAUST FAN TO J B @ CEILING
RECESSED CONTROL POWER OUTLET BOX MOUNTED AT 5 3/4" A F F TO CENTER LINE OF BOX WITH (1) 120/60/1-20 AMP (FOR 3-VAT FILET FRYER ITEM #55) (SEE ARCH DETAIL SHEET)
(3) 120/60/1-20A CIRCUITS (1) CIRCUIT FOR SELF- CONTAINED FREEZER COMPARTMENT, COMPUTERS (ITEM #54) & SHORTENING FILTER (ITEM #73) (2) CIRCUITS FOR 2-FILET STEAMERS (ITEM #56) @ 1'-6" A F F
(1) 120/60/1-20A @ 2'-0"A F F FOR SELF-CONTAINED FREEZER COMPARTMENT, TIMER, HOLDING CABINET & MULLION HEATERS (ITEM #54)
2" GAS "TEE" TO FRY STATION ITEM #27 AND FILET STATION ITEM #54 (SEE NOTE 10 & 11)
RECESSED CONTROL POWER OUTLET BOX MOUNTED AT 5 3/4" A F F TO CENTER OF BOX WITH (1) 120/60/1-20A (FOR 3-VAT FRENCH FRY FRYER ITEM #28) (SEE ARCH DETAIL SHEET)
120/60/1-20A @ 2'-6" A F F
CENTER OF CONTROL LINE
13' 2" 401
8' 2" 248
5' 0" 153
2' 7" 78
7' 7" 231
10" 26
2' 10" 86
2' 8" 81
4' 0" 122
1' 10" 56
3' 6" 106
3' 7" 109
3' 1" 94
13" 34

FRONT ROUGH-IN PLAN

SCALE: FT-IN 1/2"=1'-0"/CM

ABBREVIATION LEGEND

A	-AMPERES		
A F F	-ABOVE FINISHED FLOOR	●	-WATER OR GAS LINE
CKT	-CIRCUIT	○	-WASTE PIPE
C W	-COLD WATER	Ⓢ	-SLEEVE
D C O	-DUPLEX CONVENIENCE OUTLET	⊻	-ELECTRICAL STUB
G C	-GENERAL CONTRACTOR	☎	-TELEPHONE JACK
H W	-HOT WATER	⊕	-DUPLEX CONVENIENCE OUTLET
J B	-JUNCTION BOX	Ⓒ	-CONTROL POINT
KES	-KITCHEN EQUIPMENT SUPPLIER	Ⓙ	-JUNCTION BOX
K W	-KILOWATT	◒	-REFRIGERATION LINES
		▨	-GREITZER BOX
		⊘	-EXHAUST DUCT
		■	-FLOOR DRAIN

PLAN NOTES

1) THE GENERAL CONTRACTOR SHALL STUDY THE MECHANICAL ROUGH-IN PLAN PRIOR TO ERECTING UTILITY CHASES OR PROVIDING FOR ANY INSTALLATION CONNECTED WITH THE KITCHEN EQUIPMENT.
2) THE MECHANICAL CONTRACTORS ARE TO EXAMINE FIXTURE LEGENDS AND REVISED MISCELLANEOUS DETAILS BEFORE PROCEEDING WITH ANY ROUGH-IN WORK.
3) ALL MECHANICAL PLUMBING AND ELECTRICAL WORK SHALL COMPLY WITH ALL APPLICABLE LOCAL STATE AND HEALTH CODES AND RESTAURANT COMMISSION N.F.S.A. STANDARDS HOW PREPARATION AND SHALL BE DONE BY A REGISTERED
4) ALL DIMENSIONS SHOWN ARE FROM FINISHED WALLS, FLOORS OR BASES.
5) MECHANICAL CONTRACTORS SHALL MAKE ALL NECESSARY DIMENSIONAL EQUIPMENT.
6) ALL WORK REQUIRING ELECTRICAL POWER TO OPERATE (FINAL CONNECTION, WIRING, HOOK-UP, ETC.) SHALL BE DONE BY THE ELECTRICAL CONTRACTOR
7) THE ENTIRE REFRIGERATION SYSTEM SHALL BE WIRED AND CONNECTED BY THE ELECTRICAL CONTRACTOR AS DIRECTED BY THE KITCHEN EQUIPMENT SUPPLIER
8) ALL REFRIGERATION LINES TO BE INSULATED FOR FULL LENGTH OF RUN
9) FINAL PLUMBING CONTRACTOR WILL PURGE ALL WATER AND GAS LINES BEFORE CONNECTING TO KITCHEN EQUIPMENT AND
10) THE PLUMBING CONTRACTOR WILL TERMINATE ALL WATER AND GAS ROUGH-INS WITH SHUT-OFF VALVES BEFORE CEILING AND EXTENDED TO EQUIPMENT DURING INSTALLATION
11) RELATED FIXTURES
12) THE PLUMBING CONTRACTOR SHALL EXTEND ALL FILTERED COLD WATER LINES FROM FILTER ON SODA FACTORY
13) THE PLUMBING CONTRACTOR SHALL EXTEND ALL CONDENSATE AND INDIRECT DRAINS ON THE FLOOR DRAINS IN ASSOCIATED EQUIPMENT TO THE
14) EQUIPMENT VENTILATOR WIRING IS TO AN INTERLOCK SYSTEM PROVIDED AS LOCATIONS
15) ALL REFRIGERATION LINES SHALL BE LONG SWEEP ELBOWS
16) ALL SLEEVES IN SLAB TO TERMINATE AT 1"A F F UNLESS OTHERWISE SPECIFIED

THESE SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

REV	DATE	DESCRIPTION	BY
		VIEW CONVENTION	

SCALE 1/2"-1'-0" UNITS OF MEASURE

REGISTERED ARCHITECT No. 8496 BRUNNER MARK STATE OF ILLINOIS

McDONALD'S CORPORATION
ARCHITECTURE
OAK BROOK, ILLINOIS 60521

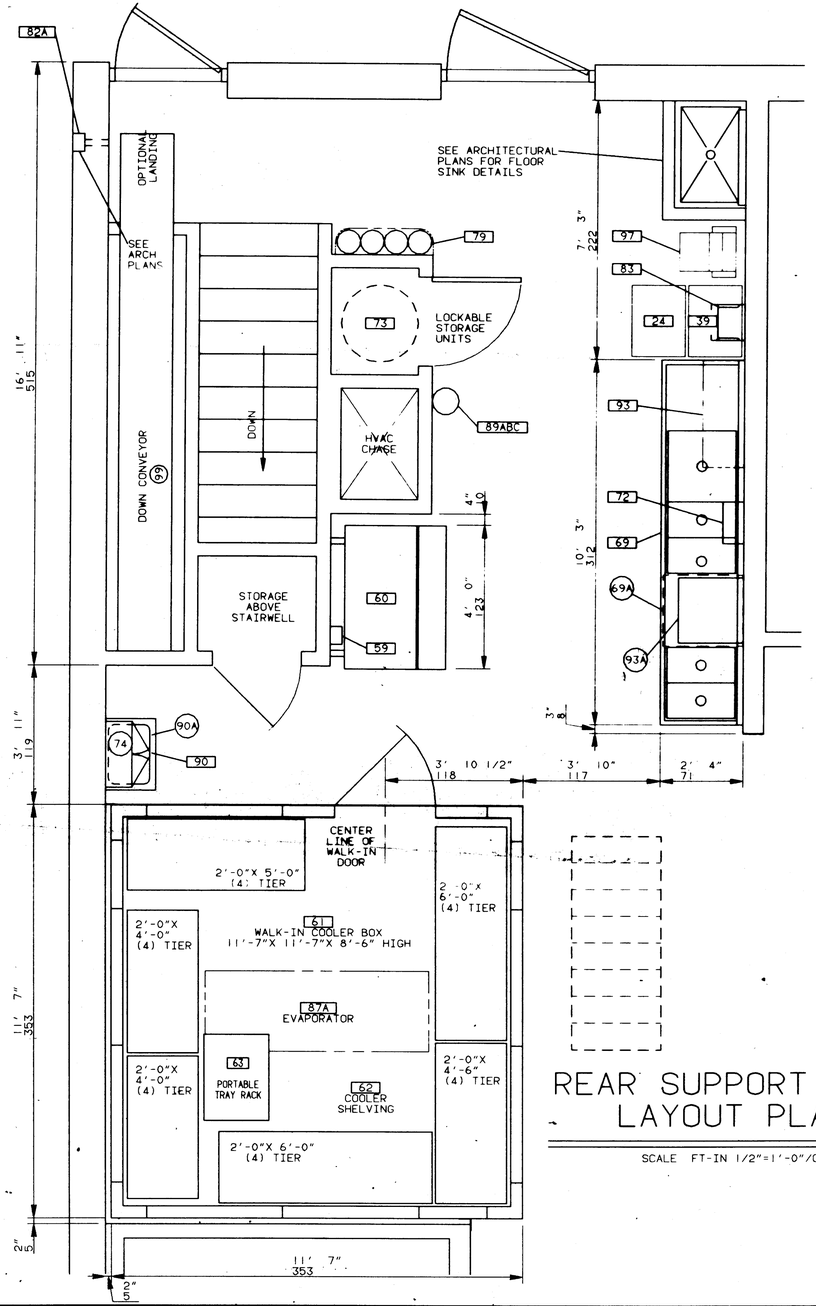
TITLE	37-84/89 -- GAS -
DRAWN BY	NEJ
MATERIAL / DESCRIPTION	___FRONT ROUGH-IN ___FLOOR PLAN GAS
CHECKED BY	CES
APPROVED BY	
DATE CHECKED	08DEC89
DATE APPROVED	XXX
DATE DRAWN	20APR89
DRAWING ID	89 G 3784 BCR
ISSUE REF	-1-
DATE ISSUED	01SEP89
SHEET NO	K02
LOCAL ADDRESS	

McDonald's®

EQUIPMENT IDENTIFICATION

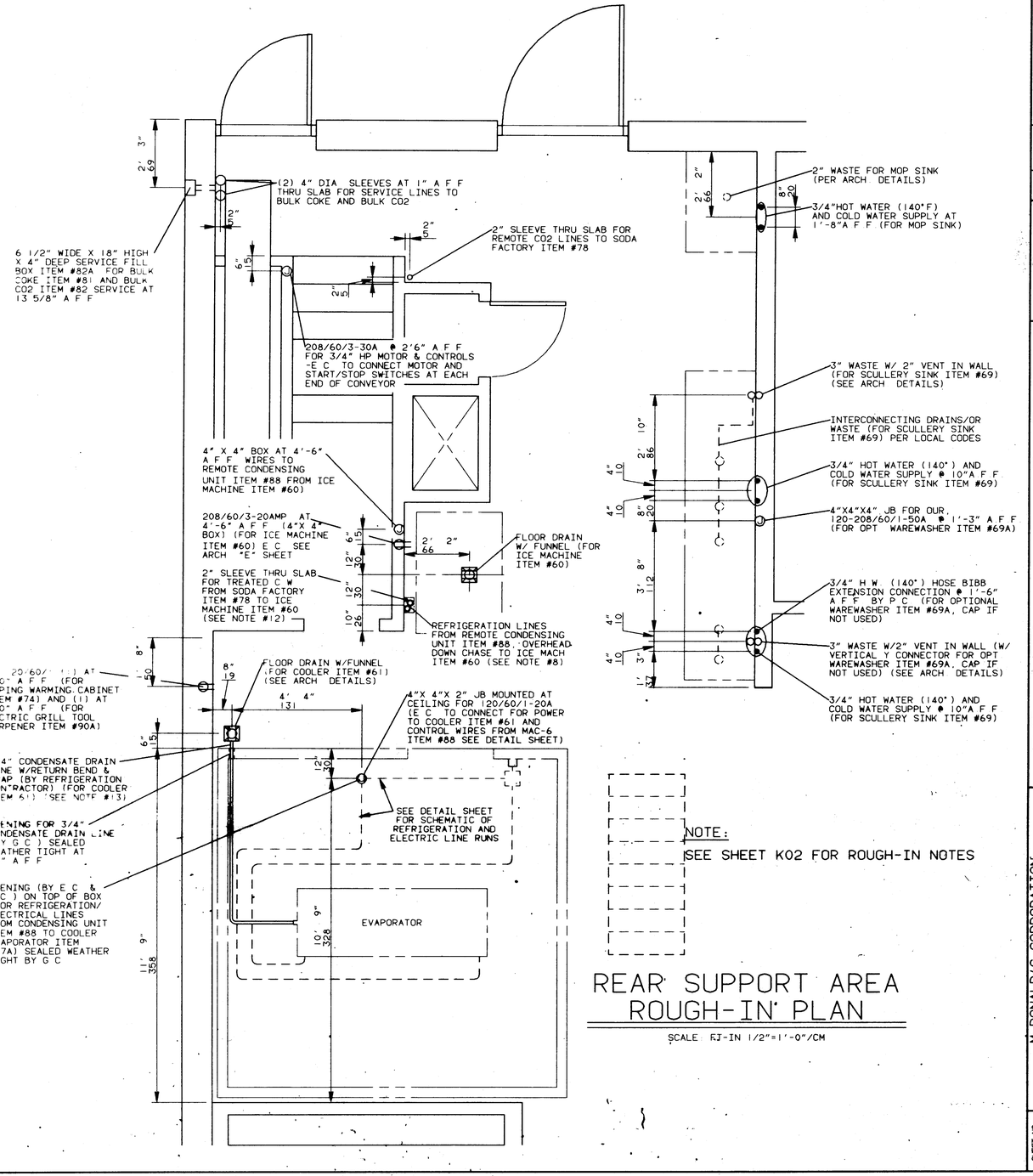
○ DENOTES OPTIONAL ITEMS

24	BREAKFAST CART	72	BRUSH CABINET	89	FIRE EXTINGUISHER
39	PARTS CART				
		73	SHORTENING FILTER		
59	ICE MACHINE CHASE			90	MANUAL GRILL TOOL SHARPENER W/STAND
60	ICE MACHINE	(74)	TOPPING WARMING CABINET-OPTIONAL	(90A)	ELECTRIC GRILL TOOL SHARPENER W/STAND (OPTIONAL)
61	WALK-IN COOLER	79	CO2 TANKS AND SAFETY CHAIN	93	OVERHEAD WALL SHELVES (12"X36")
62	COOLER SHELVING	82A	SERVICE FILL BOX	(93A)	WAREWASHER RACK SHELF (OPTIONAL)
63	PORTABLE TRAY RACK				
		83	TRASH LINER	97	SHORTENING REMOVAL CART
69	SCULLERY SINK				
(69A)	WAREWASHER (OPTIONAL)	87A	EVAPORATOR /COOLER	(99)	CONVEROY (OPTIONAL)



REAR SUPPORT AREA LAYOUT PLAN

SCALE FT-IN 1/2"=1'-0"/CM


3" 2' 6" 69
6 1/2" WIDE X 18" HIGH X 4" DEEP SERVICE FILL BOX ITEM #82A FOR BULK COKE ITEM #81 AND BULK CO2 ITEM #82 SERVICE AT 13 5/8" A F F
(2) 4" DIA SLEEVES AT 1" A F F THRU SLAB FOR SERVICE LINES TO BULK COKE AND BULK CO2
2" 5
6" 15
2" SLEEVE THRU SLAB FOR REMOTE CO2 LINES TO SODA FACTORY ITEM #78
208/60/3-30A @ 2'6" A F F FOR 3/4" HP MOTOR & CONTROLS -E C TO CONNECT MOTOR AND START/STOP SWITCHES AT EACH END OF CONVEYOR
4" X 4" BOX AT 4'-6" A F F WIRES TO REMOTE CONDENSING UNIT ITEM #88 FROM ICE MACHINE ITEM #60)
208/60/3-20AMP AT 4'-6" A F F (4"X 4" BOX) FOR ICE MACHINE ITEM #60) E C SEE ARCH "E" SHEET
2" SLEEVE THRU SLAB FOR TREATED C W FROM SODA FACTORY ITEM #78 TO ICE MACHINE ITEM #60 (SEE NOTE #12)
2' 2" 66
12" 30
10" 26
FLOOR DRAIN W/ FUNNEL (FOR ICE MACHINE ITEM #60)
REFRIGERATION LINES FROM REMOTE CONDENSING UNIT ITEM #88 OVERHEAD DOWN CHASE TO ICE MACH ITEM #60 (SEE NOTE #8)
2' 6" 66
2" 5
8" 20
2" WASTE FOR MOP SINK (PER ARCH DETAILS)
3/4"HOT WATER (140°F) AND COLD WATER SUPPLY AT 1'-8"A F F (FOR MOP SINK)
3" WASTE W/ 2" VENT IN WALL (FOR SCULLERY SINK ITEM #69) (SEE ARCH DETAILS)
INTERCONNECTING DRAINS/OR WASTE (FOR SCULLERY SINK ITEM #69) PER LOCAL CODES
2' 10" 86
4" 10
3/4" HOT WATER (140°) AND COLD WATER SUPPLY @ 10"A F F (FOR SCULLERY SINK ITEM #69)
4"X4"X4" JB FOR OUR 120-208/60/1-50A @ 1'-3" A F F (FOR OPT WAREWASHER ITEM #69A)
3' 8" 112
3/4" H W (140°) HOSE BIBB EXTENSION CONNECTION @ 1'-6" A F F BY P C (FOR OPTIONAL WAREWASHER ITEM #69A, CAP IF NOT USED)
3" WASTE W/2" VENT IN WALL (W/ VERTICAL Y CONNECTOR FOR OPT WAREWASHER ITEM #69A, CAP IF NOT USED) (SEE ARCH DETAILS)
3/4" HOT WATER (140°) AND COLD WATER SUPPLY @ 10"A F F (FOR SCULLERY SINK ITEM #69)
(2) 20/60/1 (1) AT 7'-0" A F F (FOR TOPPING WARMING CABINET (ITEM #74) AND (1) AT 1'-0" A F F (FOR ELECTRIC GRILL TOOL SHARPENER ITEM #90A)
8" 20
8" 19
FLOOR DRAIN W/FUNNEL (FOR COOLER ITEM #61) (SEE ARCH DETAILS)
4' 4" 131
4"X 4"X 2" JB MOUNTED AT CEILING FOR 120/60/1-20A (E C TO CONNECT FOR POWER TO COOLER ITEM #61 AND CONTROL WIRES FROM MAC-6 ITEM #88 SEE DETAIL SHEET)
6" 15
3/4" CONDENSATE DRAIN LINE W/RETURN BEND & TRAP (BY REFRIGERATION CONTRACTOR) (FOR COOLER ITEM 61) (SEE NOTE #13)
OPENING FOR 3/4" CONDENSATE DRAIN LINE (BY G C) SEALED WEATHER TIGHT AT 72" A F F
OPENING (BY E C & R C) ON TOP OF BOX (FOR REFRIGERATION/ ELECTRICAL LINES FROM CONDENSING UNIT ITEM #88 TO COOLER EVAPORATOR ITEM #87A) SEALED WEATHER TIGHT BY G C
12" 30
SEE DETAIL SHEET FOR SCHEMATIC OF REFRIGERATION AND ELECTRIC LINE RUNS
EVAPORATOR
10' 9" 328
11' 9" 358

REAR SUPPORT AREA ROUGH-IN PLAN

SCALE RI-IN 1/2"=1'-0"/CM

NOTE:

SEE SHEET K02 FOR ROUGH-IN NOTES

REV	DATE	DESCRIPTION	BY	ISSUE REF
		VIEW CONVENTION		
		SCALE 1/2"=1'-0"		
		UNITS OF MEASURE		INCH (IN.)

REGISTERED ARCHITECT COMMONWEALTH OF MASSACHUSETTS NO. 14606 RANDOLPH MASS.

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE 37-84/89	MATERIAL / DESCRIPTION REAR SUPPORT AREA LAYOUT AND ROUGH-INS	CHECKED BY CES	DATE CHECKED 05DEC89
DRAWN BY MCM		APPROVED BY	DATE APPROVED XX/XX/XX
DATE DRAWN 20APR89		ISSUE REF	DATE ISSUED 01SEP89
DRAWING ID 89	3784 BCS		

SHEET NO K03

MC5164 (01FEB89)

36' 6" 1113

43' 6" 1326

11' 7" 353

2" (NO)

OPTIONAL BULK COKE SYSTEM WITH SANITIZING TANK & C I P PANEL

81 81 81A 81B 82 E P

ELECTRICAL PANELS

CHANGING ROOM

SEE NOTES 91

WATER HEATER AND PAD BY G C (VENT AS REQUIRED)

2'-0"X 6'-0" (4) TIER SYRUP STORAGE

CREW ROOM 8'-0 1/2"X 10'-9"

VIDEO CABINET AND COAT RACK/LOCKERS BY OWNER OPERATOR SEE ARCHITECTURAL DETAILS

76 77 75

3' 11" 121

78

12" 30

UP

UP CONVEYOR 99

89ABC

93 W 80

MOP SINK

OPTIONAL CHAIN LINK FENCE TO BE INSTALLED AFTER EQUIPMENT IS INPLACE

2'-0"X 4'-0" (4) TIER

2'-0"X 6'-0" (4) TIER

2'-0"X 5'-0" (4) TIER

4' 3" 128

84 STORE ROOM SHELVING 195 SQ FT X 7'-0"=1365 CU FT

SEE ROUGH-IN PLAN FOR MORE INFORMATION

OPTIONAL SKATE WHEEL

2'-6"X 6'-0" (3) TIER

2'-6"X 5'-0" (3) TIER

84A OPTINAL MOBILE SHELVING (2'-6"X 6'-0") (3) TIER

84B OPTIONAL MOBILE SHELVING (2'-6"X 5'-0") (3) TIER

84A OPTIONAL MOBILE SHELVING (2'-6"X 6'-0") (3) TIER

84B OPTIONAL WIRE SHELVING (2'-6"X 5'-0") (3) TIER

63 70

2' 11" 89

CENTER LINE OF LOADING DOOR

5' 9" 175

FLOOR RACKS 36X78

CENTER LINE OF WALK-IN DOOR

FIRE AXE MOUNTED AT 4'-6" A F F

2'-0"X 6'-0" (4) TIER

FLOOR RACKS 30"X64"

86 FREEZER SHELVING

85 WALK-IN FREEZER 11'-7"X 18'-3 1/2" X 8'-6" HIGH

87 EVAPORATOR

2'-0"X 6'-0" (4) TIER

FLOOR RACKS 30"X64"

FLOOR RACKS 48X149

FLOOR RACK 18' 3 1/2" 558

12"

3' 11 1/2" 121

SUMP PUMP

○ DENOTES OPTIONAL ITEMS

EQUIPMENT IDENTIFICATION

63	PORTABLE TRAY RACK (OPTIONAL)	81	BULK COKE STORAGE (OPTIONAL)	85	WALK-IN FREEZER
		81A	CLEAN IN PLACE PANEL-OPTIONAL	86	FREEZER SHELVING
70	TOMATO HOLDING CABINET-OPTIONAL	81B	CLEAN IN PLACE TANK-OPTIONAL	87	EVAPORATOR /FREEZER
75	CREW LOCKERS (BY OWNER)	82	BULK CO2 (OPTIONAL)	88	REMOTE CONDENSING UNIT
76	VIDEO CABINET (BY OWNER)			89	FIRE EXTINGUISHER
77	VIDEO PLAYER (BY OWNER)			91	WATER SOFTENER (OPTIONAL)
78	SODA FACTORY	84	STORE-ROOM SHELVING	93	OVERHEAD WALL SHELVES (12"X36")
80	WASHER	84A	STORE-ROOM MOBILE SHELVING-OPT	99	CONVEYOR (OPTIONAL)
		84B	WIRE SHELVING (OPTIONAL)		

NOTES:

1) HOLD 1"MINIMUM CLEARANCE AROUND UNIT & 24"MINIMUM CLEARANCE OVERHEAD

2) ONLY THE BOOSTER HEATER, HOT WATER HEATER, CLOTHS WASHER AND COMPARTMENT SINKS ARE TO HAVE SOFTEN WATER IF WATER SOFTENER IS TO BE INSTALLED, REGION IS TO MAKE ARRANGEMENTS

BASEMENT AREA LAYOUT PLAN

SCALE FT-IN 1/2"=1'-0"/CM

REGISTERED ARCHITECT COMMONWEALTH OF MASSACHUSETTS No. 8406 CAMBRIDGE, MASS.

REV	DATE	DESCRIPTION	BY	ISSUE REF
VIEW CONVENTION	SCALE 1/2"=1'-0"	UNITS OF MEASURE INCH DIM.		

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK ILLINOIS 60521

LOCAL ADDRESS

TITLE 37-84/89 - BASEMENT -	MATERIAL / DESCRIPTION BASEMENT AREA LAYOUT PLAN	CHECKED BY CES	DATE CHECKED 08DEC89
		APPROVED BY	DATE APPROVED
DRAWN BY NEJ		ISSUE REF -	DATE ISSUED 01SEP89
DATE DRAWN 20APR89			
DRAWING ID 37-84/89 -3784 BCS			

SHEET NO. K04

RC0184 (01FEB89)

(2) 4"SLEEVES AT 1'-8" A F F THRU SLAB FOR SERVICE LINES TO BULK COKE AND BULK CO2

STANDARD REMOTE CO2 HIGH PRESSURE LINES AT CEILING TO SODA FACTORY ITEM #78

120/60/1-20A @ 2'-0" A F F FOR (SUMP PUMPS)

2" DIA SLEEVE THRU SLAB FOR REMOTE CO2 LINES TO SODA FACTORY ITEM #78

120/60/1 20A @ 3'-0" A F F (FOR WATER SOFTENER ITEM #91) (SEE NOTES ON BASEMENT AREA LAYOUT SHEET)

WATER HEATER GAS 3/4" GAS SUPPLY DOWN FROM ABOVE CEILING. (IF ELECTRIC "J" BOX MAX @ 5'-4" A F F FOR-208/60/3-50 AMP)"

1" C W SUPPLY FOR WATER HEATER (SEE NOTE #10)

120/60/1-20A @ 5'-0" A F F FOR ICE BANK ALARM SUPPLIED WITH SODA FACTORY ITEM #78

2" SLEEVE @ CEILING TO SLEEVE IN SLAB FOR TREATED C W FROM SODA FACTORY ITEM #78 TO ICE MACHINE ITEM #60 (SEE NOTE #12,#15 & #16)

2" SLEEVE @ CEILING TO SLEEVE IN SLAB FOR TREATED C W FROM SODA FACTORY ITEM #78 TO FILET BUN STEAMERS ITEM #56 (SEE NOTE #12,#15 & #16)

J"BOX @ 4'-0" A F F WITH CONDUIT (FOR SODA FACTORY ITEM #78 WIRES TO REMOTE CONDENSING UNIT ITEM #88)

1" C W SUPPLY @ 3" A F F TO SODA FACTORY ITEM #78 (SEE NOTE 10)

2" SLEEVE UP THRU SLAB TO ICE MACHINE ITEM #60

OPTIONAL 120/208/60/1-20AMP @ 6'-0" A F F (FOR CLEAN IN PLACE PANEL ITEM #81A)

OPTIONAL - 1/2" WATER (95°) SUPPLY @ 1' 0" A F F TO C I P PANEL ITEM #81A (CAPPED IF NOT USED)

OPTIONAL CLEAN IN PLACE PANEL ITEM #81A FOR BULK COKE ITEM #81 @ 6' 0" A F F (NOTE C I P TO FURTHEST BULK COKE TANK 12 FT MAX)

FLOOR DRAIN WITH FUNNEL (SEE ARCH DETAIL SHEET FOR MAKE AND MODEL)

OPTIONAL BULK COKE AND/ OR BULK CO2 LOW PRESSURE LINES AT CEILING TO SODA FACTORY ITEM #78

120-208/60/3-30A CIRCUIT W/(1)30A. DISCONNECT SWITCH @ 4'-0"A F F (FOR SODA FACTORY ITEM #78)(SEE DETAIL SHEET)

FLOOR DRAIN WITH FUNNEL (FOR SODA FACTORY ITEM #78) (SEE ARCH DETAIL SHEET)

REFRIGERATION LINES FROM REMOTE CONDENSING UNIT ITEM #88 DOWN THRU H V A C UTILITY CHASE TO SODA FACTORY ITEM #78 (SEE NOTE #8)

6"SLEEVE @ CEILING TO LONG SWEEP ELBOW TO CENTER ISLAND ITEM #15 FOR SYRUP AND CO2 LINES FROM SODA FACTORY ITEM #78 (SEE NOTE #15 & #16)

4"SLEEVE @ CEILING TO LONG SWEEP ELBOW TO CENTER ISLAND ITEM #15 FOR SYRUP AND CO2 LINES FROM SODA FACTORY ITEM #78 (SEE NOTE #15 & #16)

3/4"HOT WATER AND COLD WATER SUPPLY @ 4'-0"A F F (FOR WASHER ITEM #80)

1 1/2"WASIE @ 4'-0"A F F (FOR WASHER ITEM #80)

120/60/1-20A @ 4'-0"A F F (FOR WASHER ITEM #80)

1'-8" A F F - FOR MOP SINK - 3/4"HOT WATER (140°F) AND COLD WATER SUPPLY AT

2" WASTE FOR MOP SINK (PER ARCH DETAILS)

208/60/3-30A @ 2'6" A F F FOR 3/4" HP MOTOR & CONTROLS -E C TO CONNECT MOTOR & START/STOP SWITCHES AT EACH END OF CONVEYOR

4"X4"X2" JB @ CEILING FOR 120/60/1-20A E C TO CONNECT FOR POWER TO FREEZER ITEM #85 AND CONTROL WIRES FROM MAC-6 ITEM #88 (SEE DETAIL SHEET)

J.BOX @ 6'-6"A F F FOR-120/60/1-20 AMP CIRCUIT (FOR OPTIONAL TOMATO HOLDING CABINET ITEM #70)

OPENING (BY E C & R C) AT 7'-2" A F F (FOR REFRIGERATION/ELECTRICAL LINES FROM CONDENSING UNIT ITEM #88 TO FREEZER EVAPORATOR ITEM #87) SEALED WEATHER TIGHT BY G C

SEE DETAIL SHEET FOR SCHEMATIC OF REFRIGERATION AND ELECTRIC LINE RUNS

EVAPORATOR

OPENING FOR 3/4"CONDENSATE DRAIN LINE (BY G C) SEALED WEATHER TIGHT AT 72" A F F

3/4"CONDENSATE DRAIN LINE W/RETURN BEND AND TRAP (BY REFRIGERATION CONTRACTOR) (FOR FREEZER ITEM #85) (SEE NOTE #13)

SUMP PUMP LID OPENED FOR CONDENSATE DRAIN LINE

120/60/1-20A @ 2'-0" A F F FOR (SUMP PUMP)

2" SLEEVE UP THRU SLAB FOR FILTERED C W LINES TO FILET STATION STEAMERS ITEM #56

120/60/1-20A @ 1'-0" A F F FOR (VIDEO)

6" SLEEVE FOR SODA LINES @ 8'-0" A F F

4" SLEEVE FOR AIR/ FILTERED C W @ 8'-0" A F F

NOTE:

SEE SHEET K02 FOR ROUGH-IN NOTES

BASEMENT AREA ROUGH-IN PLAN

SCALE FT-IN 1/2"=1'-0"/CM

REV	DATE	DESCRIPTION	SCALE 1/2"=1'-0"	UNITS OF MEASURE	BY	ISSUE REF	INDX DR
VIEW CONVENTION							

REGISTERED ARCHITECT No. 4496 GROOVER MARK STATE OF ILLINOIS

McDONALD'S CORPORATION

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE 37-84/89 - BASEMENT -

DRAWN BY NEJ

MATERIAL / DESCRIPTION
BASEMENT AREA
ROUGH-IN PLAN

DATE DRAWN 20APR89

DRAWING NO 89-3784 BCR

CHECKED BY CES

APPROVED BY

ISSUE REF

DATE CHECKED 08DEC89

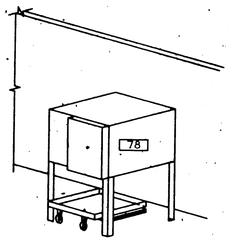
DATE APPROVED

DATE ISSUED 01SEP89

LOCAL ADDRESS

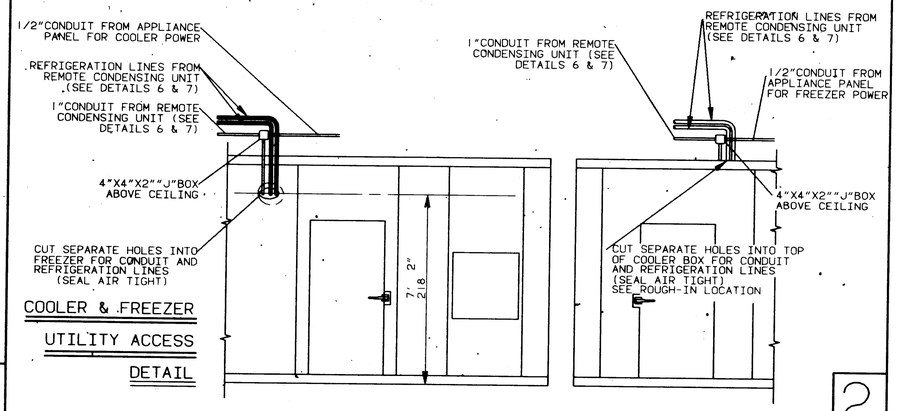
SHEET NO K05

MCD182 (01FEB89)



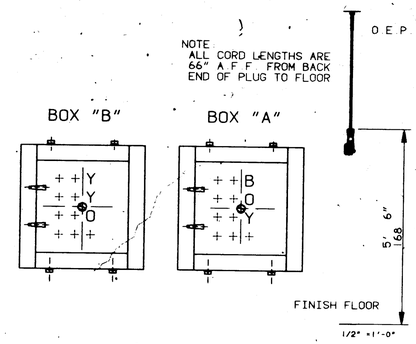
SODA FACTORY
DETAIL LOCATION

1


1/2"CONDUIT FROM APPLIANCE PANEL FOR COOLER POWER
REFRIGERATION LINES FROM REMOTE CONDENSING UNIT (SEE DETAILS 6 & 7)
1"CONDUIT FROM REMOTE CONDENSING UNIT (SEE DETAILS 6 & 7)
4"X4"X2""J"BOX ABOVE CEILING
CUT SEPARATE HOLES INTO FREEZER FOR CONDUIT AND REFRIGERATION LINES (SEAL AIR TIGHT)
7' 2" 218
1"CONDUIT FROM REMOTE CONDENSING UNIT (SEE DETAILS 6 & 7)
REFRIGERATION LINES FROM REMOTE CONDENSING UNIT (SEE DETAILS 6 & 7)
1/2"CONDUIT FROM APPLIANCE PANEL FOR FREEZER POWER
4"X4"X2""J"BOX ABOVE CEILING
CUT SEPARATE HOLES INTO TOP OF COOLER BOX FOR CONDUIT AND REFRIGERATION LINES (SEAL AIR TIGHT) SEE ROUGH-IN LOCATION

COOLER & FREEZER
UTILITY ACCESS
DETAIL

2



NOTE
ROW OF O.E.P. CORDS PERPENDICULAR TO GRILLS AS SHOWN IN DETAIL #5

NOTE TO ELECTRICAN
BEFORE WIRING CORD SETS TO ASSEMBLY BOXES, VERIFY WITH K.E.S. INSTALLER WHICH ROLL OF KNOCK-OUTS SHOULD BE USED

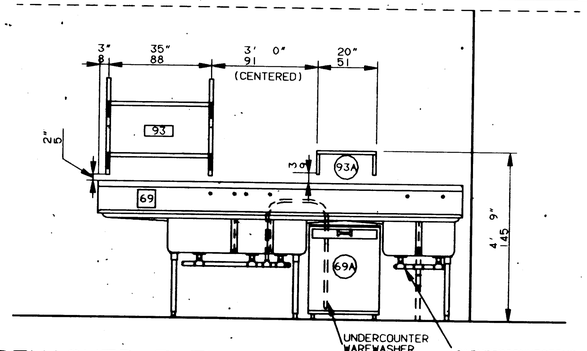
FOR ELECTRICAL CIRCUITS IN EACH KNOCK-OUT SEE ELECTRICAL CIRCUIT SCHEDULE

ELECTRICAL CIRCUITS SCHEDULE
"Y" -120/60/1-20A YELLOW CORD SET
"O" -120/208/60/1-20A ORANGE CORD SET
"B" -208/60/1-30A BLUE CORD SET

FRONT OF STORE

OVERHEAD ELECTRICAL PANEL - O.E.P.

3



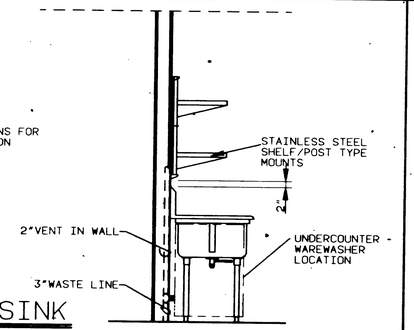
WAREWASHER ELEVATION

5 COMPARTMENT SCULLERY SINK

NOTE:

WAREWASHER MUST DRAIN INTO GREASE TRAP

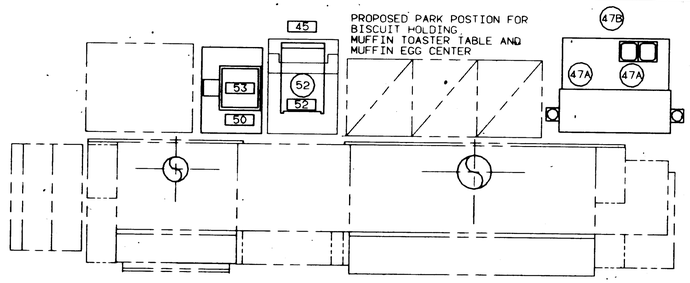
SEE ARCHITECTURAL PLANS FOR GREASE TRAP INFORMATION



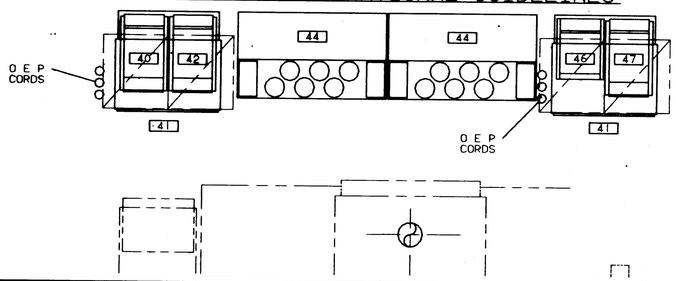
SECTION OF SINK
WITH WAREWASHER

5 COMPARTMENT SINK

4



PROPOSED LUNCH/DINNER, YOU SHOULD FOLLOW NATIONAL OPERATIONAL GUIDELINES

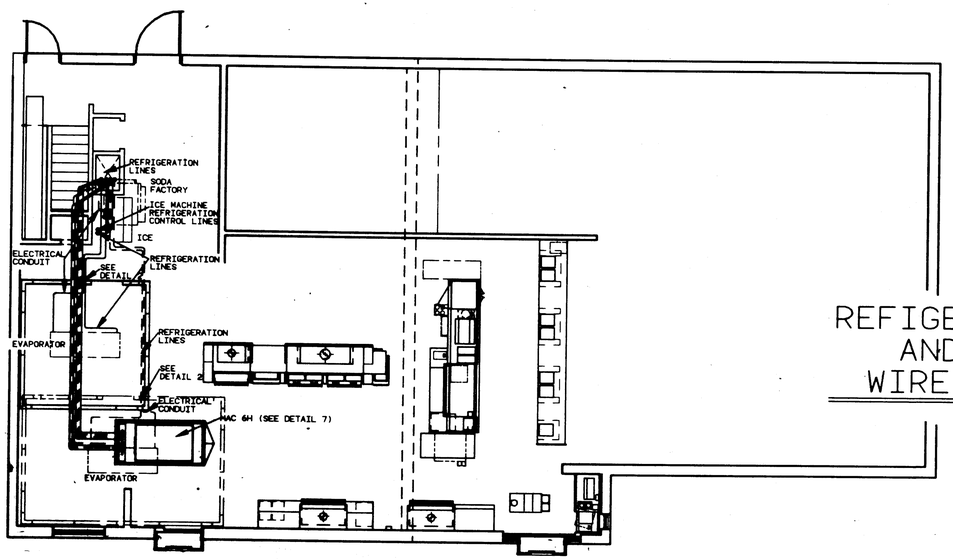


5

NOTE:

INDICATES WALLS & MAC 6H REFRIGERATION LINES LOCATION RUN ABOVE CEILING

OPTIONAL EQUIPMENT LOCATION



REFIGERATION LINE AND CONTROL WIRE SCHEMATIC

6

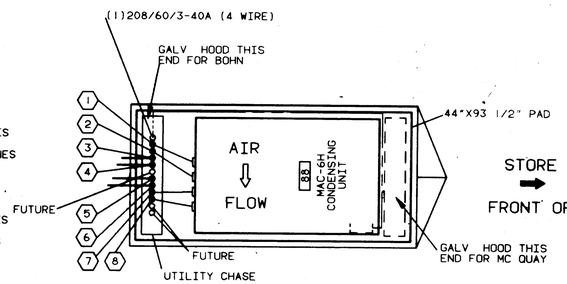
NOTE:

1) ALL CONNECTIONS THRU ROOF TO BE WEATHER TIGHT

2) SEE ARCHITECTURAL PLANS FOR ROOF LOCATION

3) SEE ARCHITECTURAL PLANS FOR UTILITY CHASE DETAILS

1. WALK-IN COOLER REFRIGERATION LINES
2. WALK-IN FREEZER REFRIGERATION LINES
3. FREEZER DEFROST/FAN MOTOR WIRES
4. COOLER - FAN MOTOR WIRES
5. SODA FACTORY CONDENSER POWER WIRES
6. ICE MACHINE CONDENSER POWER WIRES
7. SODA FACTORY REFRIGERATION LINES
8. ICE MACHINE REFRIGERATION LINES



MAC 6H REFRIGERATION SCHEMATIC

7

McDonald's®
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

REV | DATE | DESCRIPTION | SCALE | BY | ISSUE REF
VIEW CONVENTION | UNITS OF MEASURE: INCH

REGISTERED ARCHITECT No. 4496 JOSEPH A. MAIER COMMONWEALTH OF MASSACHUSETTS

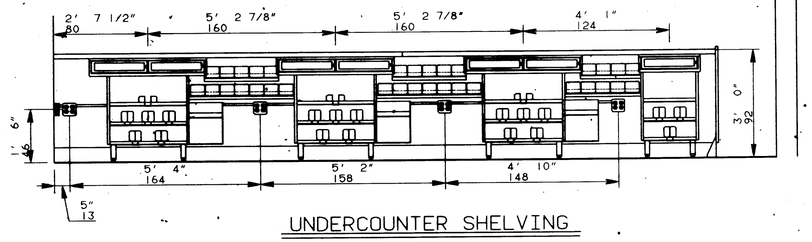
McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE 37-84/89
DRAWN BY CES
DATE DRAWN 20APR89
DRAWING ID 89 - 3784 BCD
MATERIAL / DESCRIPTION
DETAIL
SHEET
CHECKED BY
APPROVED BY
ISSUE REF
DATE CHECKED XXX
DATE APPROVED XXX
DATE ISSUED 01SEP89
LOCAL ADDRESS

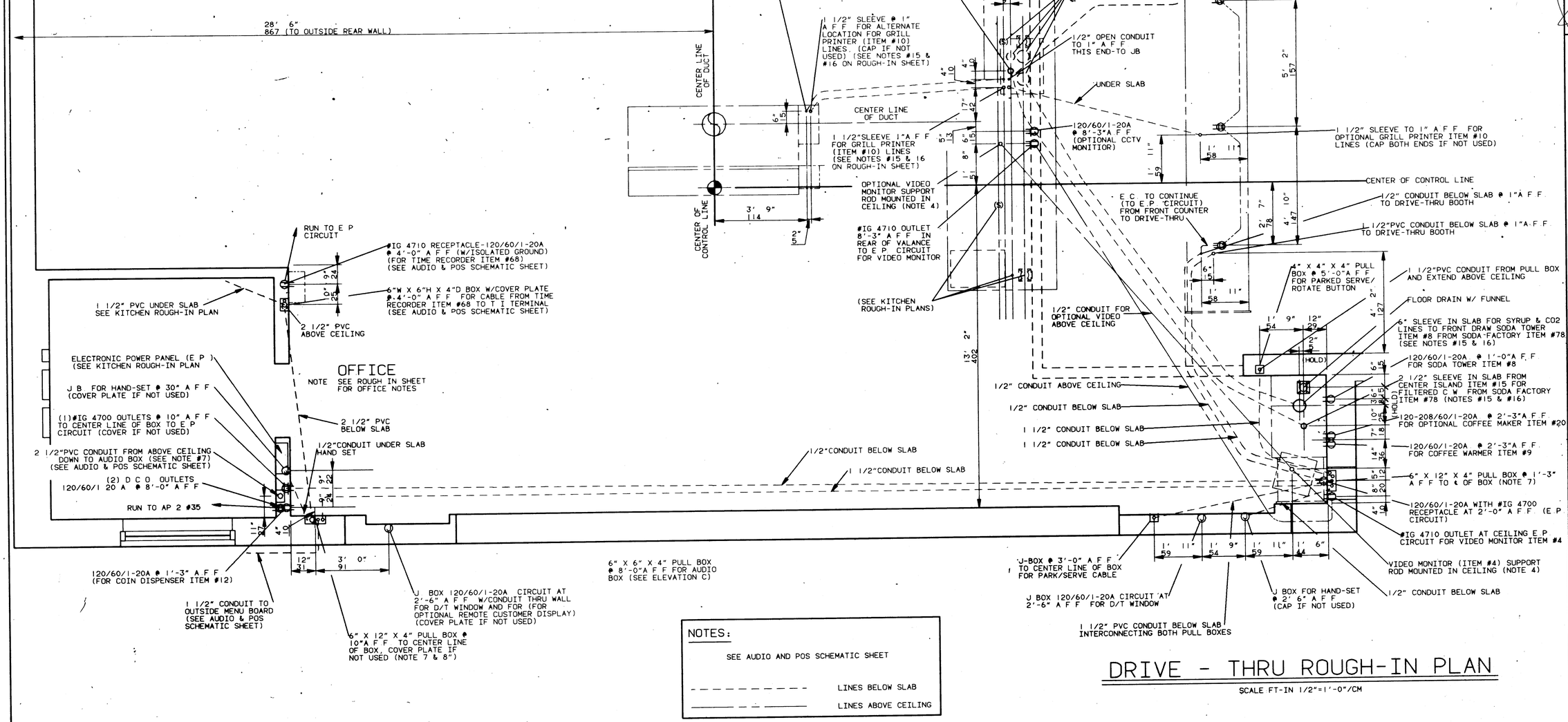
SHEET NO K06

GENERAL NOTES:

1) ELECTRICAL REQUIREMENTS FOR OPTIONAL P O S EQUIPMENT
   A) CIRCUITS AND CONDUITS SUPPLYING THE P O S SYSTEM MUST NOT BE SHARED BY ANY OTHER EQUIPMENT IN STORE
   B) ALL ELECTRICAL CONNECTIONS TO BE IMMUNE TO THE EFFECTS OF ATMOSPHERIC CORROSION
   C) GROUNDING LUGS ON ALL ISOLATED GROUND RECEPTACLES TO BE WIRED TO THE MAIN SERVICE GROUNDING LUGS
2) REFER TO APPROVED MANUFACTURERS AUDIO SYSTEM INSTRUCTIONS FOR PROPER INSTALLATION
3) REFER TO P O S SYSTEM SUPPLIER FOR PROPER INSTALLATION
4) SUPPORT ROD INSTALLATION TO BE THE OWNERS RESPONSIBILITY WHEN ORDERED WITH SYSTEM
5) IF PROPER D C O 'S CANNOT BE USED, IT IS THE OWNERS RESPONSIBILITY TO OBTAIN SUITABLE REPLACEMENTS
6) CIRCUITS MUST HAVE ISOLATED GROUND
7) TO COMPLY WITH "THE NATIONAL ELECTRICAL CODE", ALL 1 1/2" CONDUITS AND PULL BOXES TO CONTAIN "CLASS II AND III" WIRING ONLY
8) WIRING CLASS' ARE DEFINED AS FOLLOWS
   CLASS I =30 VAC-250,000 VAC
   CLASS II =30 VAC AND BELOW
   CLASS III=CONTROL CIRCUITRY INCLUDING P O S ,ETC
9) AUDIO CABINET SUPPLIED BY AUDIO SUPPLIER
10) IF OPTIONAL P O S EQUIPMENT IS NOT USED,ELECTRICAL CONTRACTOR IS TO COVER ALL UNUSED ELECTRICAL ROUGH-INS



UNDERCOUNTER SHELVING


28' 6" 867 (TO OUTSIDE REAR WALL)
CENTER LINE OF DUCT
6" 15
CENTER LINE OF DUCT
1 1/2"SLEEVE 1"A F F FOR GRILL PRINTER (ITEM #10) LINES (SEE NOTES #15 & 16 ON ROUGH-IN SHEET)
OPTIONAL VIDEO MONITOR SUPPORT ROD MOUNTED IN CEILING (NOTE 4)
3' 9" 114
CENTER OF CONTROL LINE
5" 13
#IG 4710 OUTLET 8'-3" A F F IN REAR OF VALANCE TO E P CIRCUIT FOR VIDEO MONITOR
(SEE KITCHEN ROUGH-IN PLANS)
RUN TO E P CIRCUIT
#IG 4710 RECEPTACLE-120/60/1-20A @ 4'-0" A F F (W/ISOLATED GROUND) (FOR TIME RECORDER ITEM #68) (SEE AUDIO & POS SCHEMATIC SHEET)
6"W X 6"H X 4"D BOX W/COVER PLATE @ 4'-0" A F F FOR CABLE FROM TIME RECORDER ITEM #68 TO T I TERMINAL (SEE AUDIO & POS SCHEMATIC SHEET)
1 1/2" PVC UNDER SLAB SEE KITCHEN ROUGH-IN PLAN
2 1/2" PVC ABOVE CEILING
OFFICE
NOTE SEE ROUGH IN SHEET FOR OFFICE NOTES
ELECTRONIC POWER PANEL (E P) (SEE KITCHEN ROUGH-IN PLAN
J B FOR HAND-SET @ 30" A F F (COVER PLATE IF NOT USED)
(1)#IG 4700 OUTLETS @ 10" A F F TO CENTER LINE OF BOX TO E P CIRCUIT (COVER IF NOT USED)
2 1/2"PVC CONDUIT FROM ABOVE CEILING DOWN TO AUDIO BOX (SEE NOTE #7) (SEE AUDIO & POS SCHEMATIC SHEET)
(2) D C O OUTLETS 120/60/1 20 A @ 8'-0" A F F
RUN TO AP 2 #35
2 1/2" PVC BELOW SLAB
1/2"CONDUIT UNDER SLAB HAND SET
120/60/1-20A @ 1'-3" A F F (FOR COIN DISPENSER ITEM #12)
1 1/2" CONDUIT TO OUTSIDE MENU BOARD (SEE AUDIO & POS SCHEMATIC SHEET)
6" X 12" X 4" PULL BOX @ 10"A F F TO CENTER LINE OF BOX, COVER PLATE IF NOT USED (NOTE 7 & 8")
J BOX 120/60/1-20A CIRCUIT AT 2'-6" A F F W/CONDUIT THRU WALL FOR D/T WINDOW AND FOR (FOR OPTIONAL REMOTE CUSTOMER DISPLAY) (COVER PLATE IF NOT USED)
6" X 6" X 4" PULL BOX @ 8'-0"A F F FOR AUDIO BOX (SEE ELEVATION C)
1/2"CONDUIT BELOW SLAB
1 1/2"CONDUIT BELOW SLAB
RUN TO ELECTRONIC POWER PANEL (E P CIRCUIT)
NOTE E P CIRCUIT IS FOR THE FOLLOWING
1. FRONT COUNTER ITEM #1 OUTLETS
2. DRIVE-THRU OUTLETS
3. VIDEO MONITOR ITEM #4 OUTLETS @ CEILING AND MENU BOARD VALANCE ITEM #6
4. RECEIPT PRINTER ITEM #10A AT DRIVE-THRU AND GRILL PRINTER ITEM #10 AT CENTER ISLAND ITEM #15
J BOX (4"X 4"X 4") WITH 120/60/1-20 AMP (WITH ISOLATED GRD TO E P CIRCUIT) AT 1'-6" A F F E C TO SUPPLY D C O 'S AT FRONT COUNTER ITEM #1 AS SHOWN AND 1/2" LINE IN SLAB TO RECEIPT PRINTER ITEM #10 AT CENTER ISLAND ITEM #15
6" 15
12" 30
(SEE KITCHEN ROUGH-IN PLANS)
8' 10" 269 REAR OF VALANCE
UNDER SLAB
12' 1" 369
9' 7" 293
E C TO RUN 1/2" CONDUIT ABOVE SLAB TO REAR OF COUNTER PANEL
5" 13
5' 4" 163
1/2" OPEN CONDUIT 1" A F F (THIS END) TO J B MOUNTED ON EQUIPMENT (CAP IF NOT USED)
2 1/2" SLEEVE IN SLAB TO DRIVE-THRU
(SEE KITCHEN ROUGH-IN PLANS)
9" 23
120/60/1-20A @ 1'-6" A F F (W/ISOLATED GRN 4-REQ'D)
1 1/2" SLEEVE @ 1" A F F FOR ALTERNATE LOCATION FOR GRILL PRINTER (ITEM #10) LINES. (CAP IF NOT USED) (SEE NOTES #15 & #16 ON ROUGH-IN SHEET)
1/2" OPEN CONDUIT TO 1" A F F THIS END-TO JB
4" 10
4" 10
UNDER SLAB
5' 2" 157
17" 42
6" 15
5" 13
8" 20
120/60/1-20A @ 8'-3"A F F (OPTIONAL CCTV MONITIOR)
1 1/2" SLEEVE TO 1" A F F FOR OPTIONAL GRILL PRINTER ITEM #10 LINES (CAP BOTH ENDS IF NOT USED)
1' 11" 59
1' 11" 58
CENTER OF CONTROL LINE
E C TO CONTINUE (TO E P CIRCUIT) FROM FRONT COUNTER TO DRIVE-THRU
1/2" CONDUIT BELOW SLAB @ 1"A F F TO DRIVE-THRU BOOTH
1 1/2"PVC CONDUIT BELOW SLAB @ 1"A F F TO DRIVE-THRU BOOTH
2' 7" 78
4' 10" 147
4" X 4" X 4" PULL BOX @ 5'-0"A F F FOR PARKED SERVE/ ROTATE BUTTON
6" 15
1' 11" 58
1 1/2"PVC CONDUIT FROM PULL BOX AND EXTEND ABOVE CEILING
FLOOR DRAIN W/ FUNNEL
4' 2" 127
1' 9" 54
12" 29
2" 5
(HOLD)
6" SLEEVE IN SLAB FOR SYRUP & CO2 LINES TO FRONT DRAW SODA TOWER ITEM #8 FROM SODA FACTORY ITEM #78 (SEE NOTES #15 & 16)
1/2" CONDUIT FOR OPTIONAL VIDEO ABOVE CEILING
13' 2" 402
120/60/1-20A @ 1'-0"A F F FOR SODA TOWER ITEM #8
2 1/2" SLEEVE IN SLAB FROM CENTER ISLAND ITEM #15 FOR FILTERED C W FROM SODA FACTORY ITEM #78 (NOTES #15 & #16)
6" 15
10" 26
8" 20
(HOLD)
1/2" CONDUIT ABOVE CEILING
1/2" CONDUIT BELOW SLAB
1 1/2" CONDUIT BELOW SLAB
1 1/2" CONDUIT BELOW SLAB
120-208/60/1-20A @ 2'-3"A F F FOR OPTIONAL COFFEE MAKER ITEM #20
7" 18
120/60/1-20A @ 2'-3"A F F FOR COFFEE WARMER ITEM #9
14" 36
6" X 12" X 4" PULL BOX @ 1'-3" A F F TO ℄ OF BOX (NOTE 7)
8" 20
4" 10
120/60/1-20A WITH #IG 4700 RECEPTACLE AT 2'-0" A F F (E P CIRCUIT)
#IG 4710 OUTLET AT CEILING E P CIRCUIT FOR VIDEO MONITOR ITEM #4
VIDEO MONITOR (ITEM #4) SUPPORT ROD MOUNTED IN CEILING (NOTE 4)
1/2" CONDUIT BELOW SLAB
1' 11" 59
1' 9" 54
1' 11" 59
1' 6" 44
J-BOX @ 3'-0" A F F TO CENTER LINE OF BOX FOR PARK/SERVE CABLE
J BOX 120/60/1-20A CIRCUIT AT 2'-6" A F F FOR D/T WINDOW
1 1/2" PVC CONDUIT BELOW SLAB INTERCONNECTING BOTH PULL BOXES
J BOX FOR HAND-SET @ 2' 6" A F F (CAP IF NOT USED)

NOTES:

SEE AUDIO AND POS SCHEMATIC SHEET

_ _ _ _ _ _ _ _ _ _ LINES BELOW SLAB

_____ LINES ABOVE CEILING

DRIVE - THRU ROUGH-IN PLAN

SCALE FT-IN 1/2"=1'-0"/CM

REV	DATE	DESCRIPTION	BY	ISSUE REF
VIEW CONVENTION	SCALE	UNITS OF MEASURE		INCH

REGISTERED ARCHITECT No. 4496 COMMONWEALTH OF MASSACHUSETTS

McDonald's®

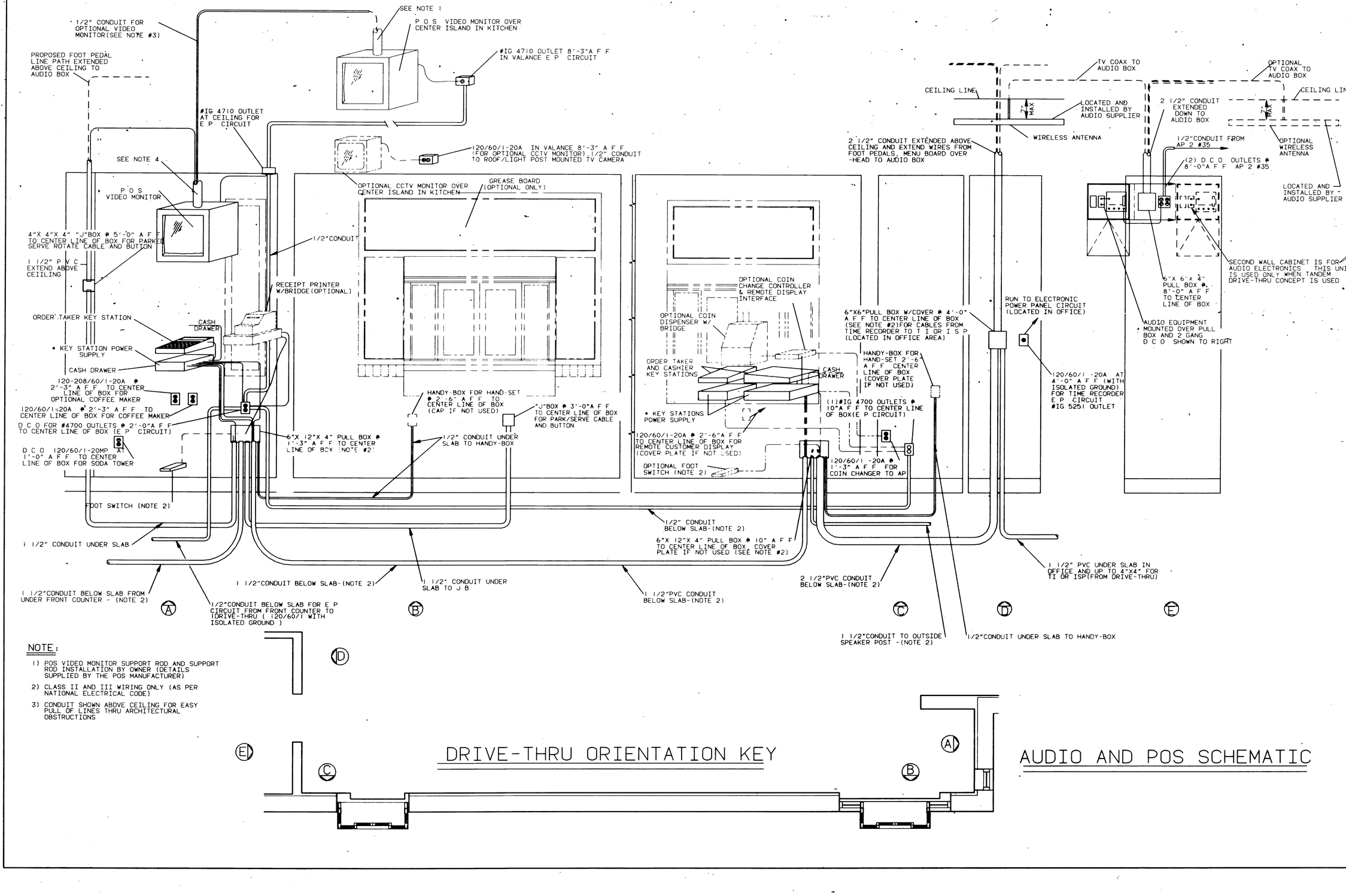
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK ILLINOIS 60521

LOCAL ADDRESS

TITLE 37-84/89	CHECKED BY	DATE CHECKED 08DEC89	
DRAWN BY CES	APPROVED BY	DATE APPROVED XXX	DATE ISSUED 01SEP89
DATE/DRAWN 20JAN89	MATERIAL / DESCRIPTION DRIVE-THRU ROUGH-IN PLAN	ISSUE REF -	
DRAWING ID 89	3784 BCD		

SHEET NO. K07


1/2" CONDUIT FOR OPTIONAL VIDEO MONITOR(SEE NOTE #3)
SEE NOTE 1
P O S VIDEO MONITOR OVER CENTER ISLAND IN KITCHEN
#IG 4710 OUTLET 8'-3"A F F IN VALANCE E P CIRCUIT
PROPOSED FOOT PEDAL LINE PATH EXTENDED ABOVE CEILING TO AUDIO BOX
#IG 4710 OUTLET AT CEILING FOR E P CIRCUIT
120/60/1-20A IN VALANCE 8'-3" A F F (FOR OPTIONAL CCTV MONITOR) 1/2" CONDUIT TO ROOF/LIGHT POST MOUNTED TV CAMERA
SEE NOTE 4
OPTIONAL CCTV MONITOR OVER CENTER ISLAND IN KITCHEN
GREASE BOARD (OPTIONAL ONLY)
P O S VIDEO MONITOR
4"X 4"X 4" "J"BOX @ 5'-0" A F F TO CENTER LINE OF BOX FOR PARK/SERVE ROTATE CABLE AND BUTTON
1/2"CONDUIT
1 1/2" P V C EXTEND ABOVE CEILING
RECEIPT PRINTER W/BRIDGE(OPTIONAL)
ORDER TAKER KEY STATION
CASH DRAWER
• KEY STATION POWER SUPPLY
CASH DRAWER
120-208/60/1-20A @ 2'-3" A F F TO CENTER LINE OF BOX FOR OPTIONAL COFFEE MAKER
120/60/1-20A @ 2'-3" A F F TO CENTER LINE OF BOX FOR COFFEE MAKER
D C O FOR #4700 OUTLETS @ 2'-0"A F F TO CENTER LINE OF BOX (E P CIRCUIT)
D C O 120/60/1-20MP AT 1'-0" A F F TO CENTER LINE OF BOX FOR SODA TOWER
HANDY-BOX FOR HAND-SET @ 2'-6" A F F TO CENTER LINE OF BOX (CAP IF NOT USED)
"J"BOX @ 3'-0"A F F TO CENTER LINE OF BOX FOR PARK/SERVE CABLE AND BUTTON
6"X 12"X 4" PULL BOX @ 1'-3" A F F TO CENTER LINE OF BOX (NOTE #2)
1/2" CONDUIT UNDER SLAB TO HANDY-BOX
FOOT SWITCH (NOTE 2)
1 1/2" CONDUIT UNDER SLAB
1 1/2"CONDUIT BELOW SLAB FROM UNDER FRONT COUNTER - (NOTE 2)
1/2"CONDUIT BELOW SLAB FOR E P CIRCUIT FROM FRONT COUNTER TO DRIVE-THRU (120/60/1 WITH ISOLATED GROUND)
1 1/2"CONDUIT BELOW SLAB-(NOTE 2)
1 1/2" CONDUIT UNDER SLAB TO J B
1 1/2"PVC CONDUIT BELOW SLAB-(NOTE 2)
OPTIONAL COIN CHANGE CONTROLLER & REMOTE DISPLAY INTERFACE
OPTIONAL COIN DISPENSER W/ BRIDGE
ORDER TAKER AND CASHIER KEY STATIONS
CASH DRAWER
• KEY STATIONS POWER SUPPLY
120/60/1-20A @ 2'-6"A F F TO CENTER LINE OF BOX FOR REMOTE CUSTOMER DISPLAY (COVER PLATE IF NOT USED)
OPTIONAL FOOT SWITCH (NOTE 2)
6"X6"PULL BOX W/COVER @ 4'-0" A F F TO CENTER LINE OF BOX (SEE NOTE #2)FOR CABLES FROM TIME RECORDER TO T I OR I S P (LOCATED IN OFFICE AREA)
HANDY-BOX FOR HAND-SET 2'-6" A F F CENTER LINE OF BOX (COVER PLATE IF NOT USED)
(1)#IG 4700 OUTLETS @ 10"A F F TO CENTER LINE OF BOX(E P CIRCUIT)
120/60/1-20A @ 1'-3" A F F FOR COIN CHANGER TO AP
6"X 12"X 4" PULL BOX @ 10" A F F TO CENTER LINE OF BOX COVER PLATE IF NOT USED (SEE NOTE #2)
2 1/2"PVC CONDUIT BELOW SLAB-(NOTE 2)
1 1/2"CONDUIT TO OUTSIDE SPEAKER POST -(NOTE 2)
1/2"CONDUIT UNDER SLAB TO HANDY-BOX
TV COAX TO AUDIO BOX
CEILING LINE
7" MAX
LOCATED AND INSTALLED BY AUDIO SUPPLIER
WIRELESS ANTENNA
2 1/2" CONDUIT EXTENDED ABOVE CEILING AND EXTEND WIRES FROM FOOT PEDALS, MENU BOARD OVER -HEAD TO AUDIO BOX
RUN TO ELECTRONIC POWER PANEL CIRCUIT (LOCATED IN OFFICE)
120/60/1-20A AT 4'-0" A F F (WITH ISOLATED GROUND) FOR TIME RECORDER E P CIRCUIT #IG 5251 OUTLET
OPTIONAL TV COAX TO AUDIO BOX
CEILING LINE
2 1/2" CONDUIT EXTENDED DOWN TO AUDIO BOX
7" MAX
1/2"CONDUIT FROM AP 2 #35
OPTIONAL WIRELESS ANTENNA
(2) D C O OUTLETS @ 8'-0"A F F AP 2 #35
LOCATED AND INSTALLED BY AUDIO SUPPLIER
SECOND WALL CABINET IS FOR AUDIO ELECTRONICS THIS UNIT IS USED ONLY WHEN TANDEM DRIVE-THRU CONCEPT IS USED
6"X 6"X 4" PULL BOX @ 8'-0" A F F TO CENTER LINE OF BOX
AUDIO EQUIPMENT MOUNTED OVER PULL BOX AND 2 GANG D C O SHOWN TO RIGHT
1 1/2" PVC UNDER SLAB IN OFFICE AND UP TO 4"X4" FOR TI OR ISP(FROM DRIVE-THRU)
A
B
C
D
E

NOTE:

1) POS VIDEO MONITOR SUPPORT ROD AND SUPPORT ROD INSTALLATION BY OWNER (DETAILS SUPPLIED BY THE POS MANUFACTURER)
2) CLASS II AND III WIRING ONLY (AS PER NATIONAL ELECTRICAL CODE)
3) CONDUIT SHOWN ABOVE CEILING FOR EASY PULL OF LINES THRU ARCHITECTURAL OBSTRUCTIONS

DRIVE-THRU ORIENTATION KEY

AUDIO AND POS SCHEMATIC

REV	DATE	DESCRIPTION	SCALE	UNITS OF MEASURE
		VIEW CONVENTION		BY ISSUE REF INCH

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

McDONALD'S CORPORATION
OAK BROOK, ILLINOIS 60521

TITLE 37-84/89	MATERIAL / DESCRIPTION AUDIO AND POS SCHEMATIC LAYOUT	CHECKED BY CES	DATE CHECKED 08DEC89
DRAWN BY CES		APPROVED BY	DATE APPROVED XXX
DATE DRAWN 20APR89		ISSUE REF	DATE ISSUED 01SEP89
DRAWING ID 89 3784 BCD			

SHEET NO K08

REV1R4 (01FEB89)

○ DENOTES OPTIONAL EQUIPMENT
* DENOTES SPECIAL EQUIPMENT

FIXTURE CONNECTION LEGEND

N/A DENOTES NON-APPLICABLE
P DENOTES PENDING

ITEM	QTY	DESCRIPTION	MANUFACTURER	UNIT I D NUMBER	U L LISTING	NSF LISTING STD	CSA	EXHAUST DUCT	EXHAUST CFM	GAS SIZE	GAS BTU	GAS AGA	WATER HW	WATER CW	DRAINS IDW	DRAINS DIRECT	REFRIG TYPE	ELECTRICAL HP	ELECTRICAL VOLTAGE	ELECTRICAL AMPS	ELECTRICAL KW	INSTALLATION REQUIREMENTS AND REMARKS	ITEM
1	1	FRONT COUNTER ASSEMBLY	K E S	CR 008 CR 012	N/A	2																E C TO PROVIDE AND CONNECT CONDUITS WIRING AND D C O 'S ON REAR OF FRONT COUNTER PANEL SEE DRIVE-THRU ROUGH-IN SHEET FOR MORE DETAILED INFORMATION	1
(1A)	1	COFFEE REFILL CENTER (OPTIONAL)	BLOOMFIELD	8719	E9253(N)	163													120/60/1	2 0	24	EQUIPMENT MOUNTED ON ITEM 1	(1A)
(1B)	1	COFFEE REFILL/NEWS PAPER CART (OPTIONAL)	BLOOMFIELD	8729	E9253(N)	163													120/60/1	2 0	24	SEE EQUIPMENT LAYOUT FOR LOCATION	(1B)
2	7	KEY STATIONS	BY OWNER/ PANASONIC	JS130KS	E34917	NYR	LR 54633 -10												120/60/1 3 WIRE	1 0 EACH	0 12 EACH	PLUG INTO #IG 4700 OUTLETS (CONNECTED TO ELECTRICAL PANEL)	2
3		NO ITEM																					3
(4)	4	MENU TV MONITOR (OPTIONAL)	BY OWNER/ PANASONIC	NYR	NYR	NYR													120/60/1	2 0	24	UNITS MOUNT ON ITEM 2 AS SHOWN ON EQUIPMENT LAYOUT	(4)
(5)	5	VALANCE SHELVES (OPTIONAL)	METRO-REGULAR ERECTA SHELF	18WB1Z AND 1848Z	N/A	2																UNITS MOUNT ON REAR OF VALANCE WITH DIRECT MOUNT BRACKETS LOCATION AS SHOWN ON EQUIPMENT LAYOUT (SIZE 18"WIDE X 42"LONG)	(5)
6	1	MENU BOARD (20'-8"LONG)	EVERBRIGHT/ FLORIDA PLASTICS	EASY CHANGE	4811-2	N/A													120/60/1	9 6	1 2	E C TO MOUNT AND CONNECT LIGHT BOXES K E S TO MOUNT P O P PANELS	6
7	1	BEVERAGE STATION/ CASH STAND	K E S	DD 002	N/A	2								1/4" FILT	1"							SODA FACTORY SUPPLIER TO MAKE ALL CONNECTIONS	7
8	1	FRONT DRAW SODA TOWER	MULTIPLEX	146F	E59160	18									1/2"				120/60/1	2 0	24	SODA FACTORY SUPPLIER TO MAKE ALL CONNECTIONS UNIT PART OF ITEM 78	8
9	1	COFFEE WARMER	BLOOMFIELD	8708	E9253(N)	163													120/60/1	2 0	24	LOCATED ON ITEM 7	9
10	1	GRILL PRINTER	BY OWNER/ PANASONIC	JS130RM	E34917	NYR	LR 54633 -6												120/60/1	1 0	12	MOUNTED ON ITEM 15 WITH ALTERNATE LOCATION ON ITEM 34 (CONNECTED TO ELECTRICAL PANEL IN ITEM 15)	10
(10A)	1	RECEIPT PRINTER. (OPTIONAL)	BY OWNER/ PANASONIC	JS130RM	E34917	NYR	LR 54633 -6												120/60/1	1 0	12	MOUNTED ON ITEM 7 (CONNECTED TO ELECTRICAL PANEL)	(10A)
11	2	KEY STATIONS	BY OWNER/ PANASONIC	JS130KS	E34917	NYR	LR 54633 -10												120/60/1 3WIRE	1 0 EACH	12 EACH		11
(12)	1	COIN DISPENSER WITH BRIDGE (OPTIONAL)	BY OWNER	PANASONIC /PAR	NYR	NYR													120/60/1	2 0	24	K E S TO MOUNT ON ITEM 13	(12)
13	1	CASH STAND	K E S	DD 017	N/A	2																SEE EQUIPMENT LAYOUT FOR LOCATION	13
14	1	ASSEMBLY CONDIMENT TABLE	K E S	DD 001	N/A	2																SEE EQUIPMENT LAYOUT FOR LOCATION	14
15	1	CENTER ISLAND	K E S	CC 011	E99018	2								3/8"TO MANIFOLD ON EQUIP	(2)1"		AIR COOLED SELF CONTAINED	1/4	120-208/60/3	SEE REMARKS	4 7 PLUS BUYOUTS	E C TO CONNECT TO BREAKER PANEL (INCLUDING ITEMS 16 THRU 23 EXCEPT ITEMS 22A AND 22B) USING THE PREWIRED EQUIPMENT LEADS P C TO MAKE ALL CONNECTIONS AND EXTEND ALL I D W TO FLOOR DRAINS USE CHASES IF NEEDED	15
16	1	PASS-THRU SODA TOWER	MULTIPLEX	156F	E59160	18									1/2"				120/60/1	2 0	24	SODA FACTORY SUPPLIER TO MAKE ALL CONNECTIONS UNIT PLUGS INTO ITEM 15	16
17	1	PIE DISPLAY	PRINCE CASTLE	515	E46224	4													120/60/1	6 0	7	UNIT PLUGS INTO ITEM 15	17
(18)	1	ICE TEA DISPENSER (OPTIONAL)	BLOOMFIELD	8800	N/A	163 4																UNIT MOUNTS ON ITEM 15	(18)
(19)	1	HOT CHOCOLATE (OPTIONAL)	KARMA	750MDII	E30291	18	LR 52858							1/4" FILTERED					120/60/1	11 0	1 3	P C TO CONNECT TO FILTERED COLD WATER MANIFOLD ON ITEM 15	(19)
20	2	COFFEE MAKER	BLOOMFIELD	8718	E9253(N)	163 4	LR 52858							1/4" FILTERED					120-208/60/1	16 25	3 9	P C TO CONNECT TO FILTERED COLD WATER MANIFOLD ON ITEM 15	20
(20A)	1	COFFEE MAKER (ALTERNATE)	BUNN-O-MATIC	F352MA	E32066	4								1/4" FILTERED					120-208/60/1	16 25	3 9	P C TO CONNECT TO FILTERED COLD WATER MANIFOLD ON ITEM 15	(20A)
(20B)	1	COFFEE MAKER (OPTIONAL)	BLOOMFIELD	8706	E9253(N)	163								1/4" FILTERED					120-208/60/1	26 4	9 5	P C TO CONNECT TO FILTERED COLD WATER MANIFOLD ON ITEM 15	(20B)
21	1	COOKIE DISPLAY	DISPLAYHOUSE	MCD DISPENSER	N/A	2																MOUNTED TO VALANCE BY K E S INSTALLER (SEE EQUIPMENT LAYOUT)	21
22	1	SHAKE/SUNDAE MACHINE	TAYLOR	8664	SA2650	6	C22 2 #93										AIR COOLED SELF CONTAINED	(1)1 1/2 (1) 1	208 60/3	38 3	13 8	SUPPLIED WITH 7 5 FT GREITZER CORD SET INCLUDING PLUG AND RECEPTACLE MODEL NUMBERS 50-R-4 AND 50-R-4-R (PLUGS INTO A CIRCUIT ON PANEL IN ITEM 15)	22
(22A)	1	SHAKE MACHINE (SINGLE)(OPTIONAL)	TAYLOR	5460	SA2650	6											AIR COOLED SELF CONTAINED	(1) 1	208/60/3	18 4	6 6	SUPPLIED WITH 7 5 FT GREITZER CORD SET INCLUDING PLUG AND RECEPTACLE MODEL NUMBERS 30-R-4 AND SMRP-30 (PLUGS INTO RECEPTACLE LOCATED INSIDE ITEM 15 BUT ON SEPARATE CIRCUIT FROM THE ELECTRIC PANEL IN ITEM 15)	(22A)
(22B)	1	SHAKE MACHINE (DOUBLE)(OPTIONAL)	TAYLOR	481	SA2650	6											AIR COOLED SELF CONTAINED	(2) 1	208/60/3	35 6	12 8	SUPPLIED WITH 7 5 FT GREITZER CORD SET INCLUDING PLUG AND RECEPTACLE MODEL NUMBERS 50-R-4 AND 50-R-4-R (PLUGS INTO RECEPTACLE LOCATED INSIDE ITEM 15 BUT ON SEPARATE CIRCUIT FROM ELECTRIC PANEL IN ITEM 15)	(22B)
(23)	1	TWIN TWIST (OPTIONAL)	TAYLOR	8756-S	SA2650	6											AIR COOLED SELF CONTAINED	(2)1 1/2	208/60/3	34	12 2	SUPPLIED WITH 7 5 FT GREITZER CORD SET INCLUDING PLUG AND RECEPTACLE MODEL NUMBERS 50-R-4 AND 50-R-4-R (PLUGS INTO A CIRCUIT ON PANEL LOCATED INSIDE ITEM 15 (WHEN SELECTED THIS ITEM REPLACES ITEM 22 ON PLAN)	(23)
24	1	BREAKFAST CART	K E S	K E S	N/A	2																SEE EQUIPMENT LAYOUT FOR LOCATION	24
(25)	1	ORANGE JUICE BASE (OPTIONAL)	MULTIPLEX	MCD-85P	SA3860	18													120/60/1	0 5	06	SODA FACTORY SUPPLIER TO MADE ALL CONNECTIONS (LOCATED IN REFRIGERATED BASE OF ITEM 15)	(25)
(26)	1	ORANGE JUICE DISPENSER (OPTIONAL)	MULTIPLEX	FAB	SA3860	18																SODA FACTORY SUPPLIER TO MADE ALL CONNECTIONS (MOUNTED ON ITEM 16)	(26)
27	1	3 VAT FRY STATION	K E S	FS 020	E61966	2		8 1/2"	695										(2) 120/60/1	13 5	1 6	E C TO CONNECT POWER TO "J"BOX ON UNIT K E S TO MOUNT CHASES WHERE REQUIRED	27
27A	1	S/S GAS CHASE	K E S	A0 018	N/A	2																SEE EQUIPMENT LAYOUT FOR LOCATION	27A
28	1	3 VAT FRYER	FRYMASTER	MACH-352 SD	P-S13-19 (A1,A) 001	P001360	1123-DF F-5747			1"	80,000 BTU EA VAT								120/60/1	1 6 EACH VAT	0 2 EACH VAT	UNIT PLUGS INTO POWER CONTROL BOX P C TO CONNECT GAS SUPPLY TO MANIFOLD ON EQUIPMENT K E S TO MOUNT CHASES WHERE REQUIRED	28
29	1	FRY SHORTENING CONTAINER	H & K	SCFO	N/A	1406																STORED INSIDE ITEM 27	29
29A	1	VEGETABLE SHORTENING CONTAINER	H & K	SCV	N/A	1406																STORED INSIDE ITEM 54	29A
30	3	FRY RACK	K E S	TL 024	N/A	2																SEE EQUIPMENT LAYOUT FOR LOCATION	30
30A	1	FRY BREAKDOWN FUNNEL	K E S	A0 009	N/A	2																SEE EQUIPMENT LAYOUT FOR LOCATION	30A
31		NO ITEM																					31
32		NO ITEM																					32

REV	DATE	VIEW CONVENTION

ISSUE REF	BY	DESCRIPTION	SCALE	UNITS OF MEASURE
				INCH

REGISTERED ARCHITECT
KEITH A. MARKS
No. 8456
COMMONWEALTH OF MASSACHUSETTS

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

McDonald's®

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

LOCAL ADDRESS

TITLE	DRAWN BY	DATE DRAWN	DRAWING ID
37-84/89 - GAS -	CES	20APR89	G-3784.BCF

MATERIAL / DESCRIPTION	CHECKED BY	DATE CHECKED	DATE ISSUED
FIXTURE CONNECTION LEGEND	CES APPROVED BY	08DEC89 DATE APPROVED XXX	01SEP89 ISSUE REF

SHEET NO K09

MCDT84 (01MAR89)

○ DENOTES OPTIONAL EQUIPMENT
✱ DENOTES SPECIAL EQUIPMENT

FIXTURE CONNECTION LEGEND

N/A DENOTES NON-APPLICABLE
P DENOTES PENDING.

ITEM	QTY	DESCRIPTION	MANUFACTURER	UNIT I D NUMBER	U L LISTING	NSF LISTING STD	CSA	EXHAUST DUCT	EXHAUST CFM	GAS SIZE	GAS BTU	GAS AGA	WATER HW	WATER CW	DRAINS IDW	DRAINS DIRECT	REFRIG TYPE	ELECTRICAL HP	ELECTRICAL VOLTAGE	ELECTRICAL AMPS	ELECTRICAL KW	INSTALLATION REQUIREMENTS AND REMARKS	ITEM
33	1	BUMPER GUARD	BOSTON METAL		N/A	NYR															.	MOUNTED ON ITEM 34,37 OR 37A AT 10"Á F F (BOSTON METAL)	33
34	1	GRIDDLE STATION (CLAM SHELL)	K E S	GG 022	MH12755	2		11 1/2"	1450										(2) 120/60/1	SEE REMARKS	SEE REMARKS	E C TO CONNECT POWER TO EQUIPMENT (WHICH CONTAINS ONE EACH OF ITEM 38 AND TWO GRILL TIMERS)WITH PREWIRED EQUIPMENT LEADS K E S TO ADD PARTIAL BACK PANEL AND MOUNT CHASE (SEE PLAN FOR LOCATIONS)	34
(34A)	1	E S P UNITS (OPTIONAL)	UNITED AIR SPECIALISTS	GA12-R-G2	E93102	N/A	LR30168												120/60/1	42		K E S IS TO COORDINATE USING THIS UNIT WHEN NECASSARY IN CONJUCTION WITH FABRICATION DRAWING #EX 002 (CONNECTED TO EXHAUST FAN CIRCUIT)	(34A)
35	1	3FT FLAT GRIDDLE (ELECTRIC)	TAYLOR	#13	E84050	4	62393												208/60/3	47 5	17 1	UNIT PLUGS INTO CONTROL POWER OUTLET BOX E C TO MAKE FINAL CONNECTIONS	35
(35A)	1	3FT FLAT GRIDDLE (GAS)	WOLF	TMM-38	L42639	4				1"	140,000 BTU	P-811-59 (A.A1) 001							120/60/1	1 5	2	P C TO CONNECT GAS SUPPLY TO MANIFOLD E C TO MAKE FINAL CONNECTIONS UNIT PLUGS INTO CONTROL POWER OUTLET BOX (COMPLIES WITH STANDARDS 283 11-1986)	(35A)
36	2	3 FT CLAM GRIDDLE WITH 2 HALVES	TAYLOR	1123G	E 84050	4	62393												(2) 208/60/3	38 3 EACH HALF	13 78 EACH HALF	UNIT PLUGS INTO CONTROL POWER OUTLET BOX E C TO MAKE FINAL CONNECTIONS (2)208/60/3-50A (CIRCUITS REQUIRED PER CLAMSHELL GRILL)	36
37	1	GRIDDLE STATION (ELECTRIC)	K E S	GG 020	MH12755	2		8 1/2"	600											SEE REMARKS	SEE REMARKS	E C TO CONNECT TO "J"BOX MOUNTED ON EQUIPMENT FOR ONE (1) ITEM 38A AND TWO (2) GRILL TIMERS K E S TO MOUNT CHASE	37
(37A)	1	GRIDDLE STATION (GAS)	K E S	GG 021	MH12755	2		8 1/2"	600										120/60/1	SEE REMARKS	SEE REMARKS	E C TO CONNECT TO "J"BOX MOUNTED ON EQUIPMENT FOR ONE ITEM 38A AND TWO (2) GRILL TIMERS K E S TO MOUNT CHASE	(37A)
38	1	PORTABLE MEAT CABINET	K E S	RF 015	SA6032	2												1/4	120/60/1	4 2	6	UNIT PLUGS INTO DCO MOUNTED ON SIDE OF ITEM 34	38
38A	1	PORTABLE MEAT CABINET (DOUBLE WIDE)	K E S	RF 016	SA6032	2												1/3	120/60/1	6 7	8	UNIT PLUGS INTO DCO MOUNTED ON SIDE OF ITEM 37	38A
39	1	PARTS CART	K E S	IRC	N/A	2																SEE EQUIPMENT LAYOUT FOR LOCATION	39
40	1	TOASTER (QUARTER POUNDER)	PRINCE CASTLE	213DAP	E46224	4	LR300 63-7												120/60/1	15 4	1 84	UNIT MOUNTS ON ITEM 41 UNIT PLUGS INTO OVERHEAD ELECTRICAL PANEL	40
41	2	TOASTER STAGE TABLE	K E S	TL 005	N/A	2																SEE EQUIPMENT LAYOUT FOR LOCATION	41
42	1	TOASTER (MC DLT)	PRINCE CASTLE	213DAP	E46224	4	LR300 63-7												120/60/1	15 4	1 84	UNIT MOUNTS ON ITEM 41 UNIT PLUGS INTO OVERHEAD ELECTRICAL PANEL	42
(43)	1	EGG SCRAMBLER (OPTIONAL)	PRINCE CASTLE	44AP	E46224	4	LR300 63-7												120-208/60/1	19 7	4 4	UNIT MOUNTS ON ITEM 43A UNIT PLUGS INTO PIN AND SLEEVE ANGLE ADAPTOR HUBBLE A A 20 WITH HUBBLE RECEPTICAL 420R12W BY E C	(43)
(43A)	1	EGG SCRAMBLER TABLE	K E S	TL 010	N/A	2																SEE EQUIPMENT LAYOUT FOR LOCATION	(43A)
44	2	MAKE-UP TABLE (8 HOLE)	K E S	TL 007	N/A	2																SEE EQUIPMENT LAYOUT FOR LOCATION	44
45	1	3 TIER TOASTER TABLE	K E S	TL 001	N/A	2																SEE EQUIPMENT LAYOUT FOR LOCATION	45
46	1	TOASTER (BIG MAC)	PRINCE CASTLE	416DAP	E46224	4	LR300 63-23												120-208/60/1	16 0	3 3	UNIT MOUNTS ON ITEM 41 UNII PLUGS INTO OVERHEAD ELECTRICAL PANEL	46
47	1	TOASTER (REGULAR)	PRINCE CASTLE	213DAP	E46224	4	LR300 63-23												120/60/1	15 4	1 8	UNIT MOUNTS ON ITEM 47 UNIT PLUGS INTO OVERHEAD ELECTRICAL PANEL	47
(47A)	1	EGG COOKER (OPTIONAL)	PRINCE CASTLE	MEC-6SP	E49407 SEC25	4	LR32486-37 AND LR32486-51												208/60/1	15 14	3 15	UNIT MOUNTS ON ITEM 47B UNIT PLUGS INTO OVERHEAD ELECTRICAL PANEL	(47A)
(47B)	1	MCMUFFIN EGG CENTER (OPTIONAL)	K E S	TL 020	N/A	2																SEE EQUIPMENT LAYOUT FOR LOCATION	(47B)
48	1	BISCUIT OVEN W/ PREP TOP &CASTERS	WELLS	M-4200-3	537	4	NYA												208/60/3	20 8	7 5	UNIT PLUGS INTO ITEM 37	48
49	1	FOOD PREP TABLE	K E S	FT 007	N/A	2								1/2	1 1/2"		AIR-COOLED SELF CONTAINED	1/6	120/60/1	3 2	4	SHIPPED WITH TRUNDLE TABLE AND REFRIGERATION CONDIMENT RAIL	49
50	1	2 DOOR BISCUIT HOLDING CABINET	WELLS	DABC-1PS	537	4	NYR												120-208/60/1	4 8	998	UNIT PLUGS INTO OVERHEAD ELECTRICAL PANEL	50
51		NO ITEM																					51
52	1	MUFFIN TOASTER (HEMT)	ANTUNES	12-APS	E49407	4	LR32 486												208/60/1	24 0 EACH	5 EACH	UNIT PLUGS INTO OVERHEAD ELECTRICAL PANEL UNIT MOUNTS ON ITEM 45 (2ND MUFFIN TOASTER OPTIONAL)	52
53	1	MARINATOR (MEAT)	WELLS	MDMW-3	E6070 83SC11811	4	LR108 36-30												120/60/1	7 5	9	UNIT PLUGS INTO ITEM 50 UNIT MOUNTS ON ITEM 50	53
54	1	FILET/PIE/CHICKEN STATION	K E S	FC 017	E99018	2		8 1/2"	695								AIR-COOLED SELF CONTAINED	1/4 1/3	(2) 120/60/1	13 6	1 64	E C TO CONNECT POWER TO "J"BOXES ON STATION EQUIPMENT APPROXIMATE ASSOCIATED LOADS 1/4 H P =6 0 A /0 7 KW,1/3 HP=7 4 A /0 88 KW WITH MULLIOM HEATERS PLUS (2)OF ITEM 56)	54
55	1	3-VAT FRYER (FULL/SPLIT/SPLIT)	FRYMASTER	MACH352-4RSD	P-S13-19 (A1,A) 001	P001360	1123-DF F-5747			1"	80,000 BTU EACH VAT								120/60/1	16 EA VAT	2 EA VAT	UNIT PLUGS INTO CONTROL POWER OUTLET BOX P C TO CONNECT GAS SUPPLY TO MANIFOLD ON EQUIPMENT K E S TO MOUNT CHASES WHERE REQUIRED	55
56	1	BUN STEAMER	ANTUNES	FBS-120	E49407, 1/28	872	LR324 86-36						1/4" FILTERED						120/60/1	14 2 EACH	1 7 EACH	P C TO CONNECT FILTERED COLD WATER LINE TO EQUIPMENT (NOTE SECOND STEAMER IS OPTIONAL)	56
57	1	CHICKEN MC NUGGET HOLDING CABINET	AMERICAN WYATT	MHC-1	NYR	NYR													120/60/1	8 5	1 02	UNIT MOUNTS IN ITEM 15 OR ALTERNATE LOCATION IN ITEM 54	57
(58)	1	HOTCAKE HOTPLATE (OPTIONAL)	WELLS	HH-1	E6070	4													208/30/3	25 0	9 0	UNIT PLUGS INTO ITEM 37 SUPPLIED WITH GREITZER CORD SET INCLUDING PLUG AND RECEPTACLE	(58)
(58A)	1	HOTCAKE OVERSHELF STAND (OPTIONAL)	K E S	AO 003	N/A	2																SHELF HAS PROVISIONS FOR OPTIONAL TIMER	(58A)
59	1	ICE MACHINE CHASE	K E S	AO 005	N/A	2																K E S INSTALLER TO LOCATE PER PLAN	59
60	1	ICE MACHINE	MANITOWOC	GY-1284 NS	SA4027	12	LR25 608						3/8" TREATED		3/4"		AIR COOLED REMOTE	1 1/2	208-230/60/3	11.4	4.1	POWER REQUIREMENT FOR ALTERNATE CRYSTAL TIP (CRS-135-M-41) IS 208/60/3-15 AMP CIRCUIT UNIT IS CONNECTED WITH ITEM 88	60

REV	DATE	DESCRIPTION	BY	ISSUE REF
VIEW CONVENTION			UNITS OF MEASURE	INCH
			SCALE	

REGISTERED ENGINEER — COMMONWEALTH OF MASSACHUSETTS — No. 44981 — WILLIAM E. HOOVER

McDonald's®
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

LOCAL ADDRESS

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE: 37-84/89 - GAS -
DRAWN BY: CES
DATE DRAWN: 20APR89
DRAWING NO: 89 G-3784 BCF
MATERIAL / DESCRIPTION: FIXTURE CONNECTION LEGEND
CHECKED BY: CES
DATE CHECKED: 08DEC89
APPROVED BY:
DATE APPROVED:
ISSUE REF:
DATE ISSUED: 01SEP89

SHEET NO: K10

○ DENOTES OPTIONAL EQUIPMENT
✳ DENOTES SPECIAL EQUIPMENT

FIXTURE CONNECTION LEGEND

N/A DENOTES NON-APPLICABLE
P DENOTES PENDING

ITEM	QTY	DESCRIPTION	MANUFACTURER	UNIT I D NUMBER	U L LISTING	NSF LISTING STD	CSA	EXHAUST DUCT	EXHAUST CFM	GAS SIZE	GAS BTU	GAS AGA	WATER HW	WATER CW	DRAINS IDW	DRAINS DIRECT	REFRIG TYPE	ELECTRICAL HP	ELECTRICAL VOLTAGE	ELECTRICAL AMPS	ELECTRICAL KW	INSTALLATION REQUIREMENTS AND REMARKS	ITEM
61	1	WALK-IN COOLER BOX	BALLY	8'-6"X 11'-7"X 11'-7"	E41693	7													120/60/1 (COOLER)	4 2(C)	0 50	UNIT SUPPLIED WITH TRIM PIECES BY K E S E C TO CONNECT ALL POWER UNIT IS CONNECTED WITH ITEM 88 P C TO CONNECT CONDENSATE DRAIN LINE WITH DRAIN	61
62	1 LOT	COOLER SHELVING	METRO	PER PLAN	N/A	2																LOCATED INSIDE ITEM 61	62
63	1	PORTABLE TRAY RACK	H & K (K E S)	STC-12	N/A	2																SEE EQUIPMENT PLAN FOR LOCATION SECOND UNIT OPTIONAL IN STOREROOM AREA	63
64		NO ITEM																					64
65	1	OFFICE PACKAGE (BY OWNER)	SHAW WALKER	87 SERIES	NYR	N/A																	
65A	1	WIRELESS HEAD-SET CABINET	BILRITE	NYR	N/A	N/A													120/60/1	17	02	UNIT CONSISTS OF DESK, OVERHEAD FILE, LIGHT, SHELF AND CHAIR	65
66	1	SAFE (BY OWNER)	AMSEC	FCMC	N/A	N/A																HOLDS WIRELESS HEADSETS	65A
(67)	1	FREEZER ALARM (OPTIONAL)	MARSH PRODUCT	015	N/A	N/A																SEE EQUIPMENT PLAN FOR LOCATION (RIGHT HAND DOOR HINGE)	66
68	1	TIMER RECORDER (BY OWNER)	PAR	TR-7001-01	NYR	N/A													120/60/1	0 5	06	POWERED BY LIGHTING CIRCUIT LOCATED IN OFFICE (SEE ARCHITECTURAL "E" SHEETS)	(67)
																			120/60/1	25	03	SEE EQUIPMENT LAYOUT	68
69	1	SCULLERY SINK	K E S	SK 001	N/A	2																	
(69A)	1	WAREWASHER (OPTIONAL)	HOBART	FFM-1	E5956	3	LR32647						(2) 3/4"	(2) 3/4"		(2) 1 1/2"						P C TO MAKE FINAL CONNECTIONS	69
(70)	1	TOMATO HOLDING CABINET (OPTIONAL)	TRAULSEN	RHT 1-32 WUT M-2	SA 1230	7	LR31121						1/2"			2"			120-208/60/1	37	7 7	P C AND E C TO MAKE FINAL CONNECTIONS PER CODES (MUST DRAW INTO GREASE TRAP)	(69A)
71		NO ITEM																1/4	120/60/1		84	55 DEGREES (FAHRENHEIT)	(70)
72	1	BRUSH CABINET	DISPLAYHOUSE	TBC-1	N/A																		71
73	1	SHORTENING FILTER	PRINCE CASTLE	107	E46224	4																MOUNTED AT 5'-9"A F F TO CENTER LINE OF MOUNTING HOLES FOR CABINET (SEE DETAIL 4 ON DETAIL SHEET)	72
																			120/60/1		6	STORED IN LOWER AREA OF LOCKABLE STORAGE AREA (WHEN IN USE UNIT PLUGS INTO ITEM 54 AND/OR 27)	73
(74)	1	TOPPING WARMING CABINET (OPTIONAL)	HATCO	W-1	E42639	4																	
																			120/60/1	1 9	23	WALL MOUNTED AT 4'-6"A F F TO BOTTOM OF UNIT UNIT PLUGS INTO DCO	(74)
75	1	CREW LOCKER (BY OWNER)	OPTIONAL SPACE, PER ARHICTECTURAL DETAIL	SPECIAL	N/A	N/A																	75
76	1	VIDEO CABINET (BY OWNER)	BUD INDUSTRIES INC	39983	NYR	N/A																SEE EQUIPMENT PLAN FOR LOCATION	76
77	1	VIDEO PLAYER (BY OWNER)	PANASONIC	NV-9100A	NYR	N/A																OMITTED WHEN OPTIONAL BUILT-IN UNIT IS SELECTED SEE EQUIPMENT PLAN FOR LOCATION	77
																			120/60/1	1	12	UNIT MOUNTED ON ITEM 76	
78	1	SODA FACTORY	MULTIPLEX	MCD37T	SA3860	18	361-E-0							1"	3/4"		AIR COOLED REMOTE	1 1/2"	120-208/60/3	24 1	8 67	E C TO CONNECT ROUGH-IN TO UNIT UNIT CONNECTED WITH ITEM 88 P C TO EXTEND I D W TO FLOOR DRAIN AND CONNECT FILTERED COLD WATER LINE	78
79	1 LOT	CO2 TANKS WITH SAFETY CHAIN	MULTIPLEX	PART OF MCD37T	N/A	NYR																REMOTE TANKS ON 37 SERIES OF THE 89 FREE STANDARD RELEASE K E S TO SUPPLY SAFETY CHAIN AS PER MCD DRAWING #635-B-20 DATED 8-18-80	79
80	1	WASHER (BY OWNER)	SPEED QUEEN	SA4715	E10065	N/A							1/2"	1/2"	3/4"								80
(81)	3	BULK COKE STORAGE (OPTIONAL) (BY OWNER)	MVE CRYOGENICS	SSM-80G	N/A	18													120/60/1	7 0	84	SEE EQUIPMENT PLAN FOR LOCATION	(81)
(81A)	1	CLEAN IN PLACE PANEL (OPTIONAL) (BY OWNER)	MVE CRYOGENICS																			SYRUP LINES SUPPLIED BY MVE SEE EQUIPMENT PLAN FOR LOCATION	(81A)
(81B)	1	CLEAN IN PLACE TANK (OPTIONAL) (BY OWNER)	MVE CRYOGENICS																120/60/1	1	(2W)	SEE EQUIPMENT PLAN FOR LOCATION	(81B)
(82)	1	BULK CO2 STORAGE (OPTIONAL)	MVE CRYOGENICS	MCDST 160B	N/A														(24V)	1		SEE EQUIPMENT PLAN FOR LOCATION	(82)
82A	1	SERVICE FILL BOX	MVE CRYOGENICS	971958-9	N/A	N/A																SEE EQUIPMENT PLAN FOR LOCATION THIS ITEM OMITTED IT OPERATOR CHOOSES OTHER OPTIONS	82A
83	1	TRASH BOX LINER HOLDER	K E S	AO 053	N/A	2																SEE EQUIPMENT PLAN FOR LOCATION INSTALLED BY G C IF OPERATOR CHOOSES THE OPTIONAL BULK COKE SYSTEM USE MODEL #971959-9	83
84	1	STOREROOM SHELVING	LOZIER	AS PER PLAN	N/A	N/A																K E S INSTALLER TO MOUNT UNIT AT 5'-4"A F F THIS ITEM IS OMITTED WHEN OPTIONAL STORAGE UNIT IS SELECTED	84
(84A)		STOREROOM SHELVING MOBILE (OPTIONAL)	DENTSTOR	89	N/A	2																SEE EQUIPMENT PLAN FOR LOCATION	(84A)
(84B)		WIRE SHELVING (OPTIONAL)	GAI/CARI-ALL	SPECIAL	N/A	2																OPTIONAL REPLACEMENT STANDARD STATIONARY SHELVING	(84B)
85	1	WALK-IN FREEZER BOX	BALLY	8'-6" X 11'-7" X 8'-3 1/2"	E41693	7																SIZE, AMOUNT, AND ARRANGEMENT TO BE DETERMINED AS PER STORES NEEDS	85
86	1 LOT	FREEZER SHELVING	METRO	METRO SEAL	N/A	2													120/60/1 (FREEZER)	9 0(F)	1 08	UNIT SUPPLIED WITH TRIM PIECES BY K E S E C TO CONNECT ALL POWER UNIT IS CONNECTED WITH ITEM 88 P C TO CONNECT CONDENSATE DRAIN LINE WITH DRAIN	86
87	1	EVAPORATOR (FREEZER)	BOHN	MCR1301	SA1525	C-2												(3) 1/10	208-230/60/1 (*)	19 0	4 0	LOCATED INSIDE ITEM 85 MOUNTED IN FREEZER BOX ITEM 85 (*) POWER COMES FROM ITEM 88	87
87A	1	EVAPORATOR (COOLER)	BOHN	MCN1321	SA1525	C-2												(3) 1/10	208-230/60/1 (*)	1 4		MOUNTED IN COOLER BOX ITEM 61 (*) POWER COMES FROM ITEM 88	87A
88	1	REMOTE CONDENSING UNIT	BOHN	MAC-6 H	SA5595	N/A											AIR COOLED REMOTE	(1) 3 (1)1 1/2	208/60/3 (*)	26	9 5	UNIT INCLUDES COMPRESSORS AND CONDENSING UNITS FOR ITEMS 87 AND 87A UNIT INCLUDES ONLY CONDENSING UNITS FOR ITEMS 60 AND 78	88
89	5	FIRE EXTINGUISHER	ANSUL	(2) BC (3) ABC	STD 299 AND 711 FILE EX 1216	N/A																UNIT MOUNTED AT 5'-0"A F F TO TOP OF EXTINGUISHER (SEE EQUIPMENT LAYOUTS FOR LOCATIONS)	89

McDonald's®
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

ISSUE REF | DATE | DESCRIPTION
BY
UNITS OF MEASURE: INCH
SCALE
VIEW CONVENTION

REGISTERED ARCHITECT — No. 4450 — STATE OF WASHINGTON

LOCAL ADDRESS

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE	37-84/89
DRAWN BY	CES
DATE DRAWN	20APR89
DRAWING ID	89 -3784 BCF
MATERIAL / DESCRIPTION	FIXTURE CONNECTION LEGEND
CHECKED BY	CES
DATE CHECKED	08DEC89
APPROVED BY	XXX
DATE APPROVED	
ISSUE REF	—
DATE ISSUED	01SEP89
SHEET NO.	K-1

Kroc (version)

○ DENOTES OPTIONAL EQUIPMENT
✱ DENOTES SPECIAL EQUIPMENT

FIXTURE CONNECTION LEGEND

N/A DENOTES NON-APPLICABLE
P DENOTES PENDING

ITEM	QTY	DESCRIPTION	MANUFACTURER	UNIT I D NUMBER	U L LISTING	NSF LISTING STD	CSA	EXHAUST DUCT	EXHAUST CFM	GAS SIZE	GAS BTU	GAS AGA	WATER HW	WATER CW	DRAINS IDW	DRAINS DIRECT	REFRIG TYPE	ELECTRICAL HP	ELECTRICAL VOLTAGE	ELECTRICAL AMPS	ELECTRICAL KW	INSTALLATION REQUIREMENTS AND REMARKS	ITEM
90	1	MANUAL GRILL TOOL SHARPENER WITH STAND	PRINCE CASTLE	164 + 578-300	N/A	NYR																SEE EQUIPMENT LAYOUT FOR LOCATION	90
(90A)	1	ELECTRIC GRILL TOOL SHARPENER WITH STAND (OPTIONAL)	PRINCE CASTLE	578-300	E80781	NYR												1/4	120/60/1	3 5	42	SEE EQUIPMENT LAYOUT FOR LOCATION	(90A)
(91)	1	WATER SOFTENER (OPTIONAL)	CULLIGAN	MARK 512	329386	N/A													120/60/1	0 2	Q2	SEE EQUIPMENT LAYOUT FOR LOCATION	(91)
92	1	SALAD DISPLAY	FRANKE PROGRESSIVE	DC-4	SA4044	2												1/4	120/60/1	3 1	37	MOUNTED ON ITEM 15 (SINGLE DOOR IN REAR AND TWO DOORS IN FRONT)	92
93	1 LOT	WALL MOUNTED SHELF	METRO-SUPER ERECTA SHELF	SW23C 1436NK		2																MOUNTED ABOVE ITEMS 80 AND 69	93
93A	1	WAREWASHER RACK SHELF	K E S	SK 010	N/A	2																MOUNTED AT 4'-9"A F F	93A
94	1	(1 DOOR) REACH-IN REFRIGERATOR	TRAULSEN	RHT-1-32WUT -M7	SA1230	7	LR31121										SELF-CONTAINED	1/4	120/60/1	7 0		E C TO MAKE FINAL CONNECTIONS	94
(95)	1	(1 DOOR) REACH-IN REFRIGERATOR (OPTIONAL)	TRAULSEN	RHT-1-32WUT -M7	SA1230	7	LR31121										SELF-CONTAINED	1/4	120/60/1	7 0		E C TO MAKE FINAL CONNECTIONS	(95)
(96)	1	WALL MOUNTED BUN SHELF (OPTIONAL)	K E S	A0 019	N/A	2																MOUNTED AT 4'-6"A F F TO UNDERSIDE OF SHELF	(96)
97	1	SHORTENING REMOVAL CART	BILTRITE	MCD# 100-427-R4	NYR	N/A																SEE EQUIPMENT LAYOUT FOR LOCATION	97
98	1	LOT SWEEPER	HAKO	FLIPPER	NYR	N/A																SHOULD BE LOCATED IN OUTSIDE STORAGE AREA	98
(99)	1	CONVEYOR-BY OWNER (OPTIONAL)	RAPISTAN															3/4	208/60/3	30 0		E C TO LOCATE STOP/START SWITCH AT TOP AND BOTTOM OF CONVEYOR	(99)

N.S.F. SEAL NUMBERS FOR KITCHEN EQUIPMENT SUPPLIERS
(N S F STANDARD #2)

KITCHEN EQUIPMENT SUPPLIERS (K E S)	SEAL NUMBER
ILLINOIS RANGE COMPANY	219
FRANKE PROGRESSIVE COMPANY	134
HOSPITAL AND KITCHEN (TORONTO)	1359
HOSPITAL AND KITCHEN (DALLAS)	1406

NSF

THE FOLLOWING INFORMATION IS TAKEN FROM YOUR 1989 NSF PUBLICATION - DATED JANUARY 31, 1989 ABOUT THE MARK COMPANIES AUTHORIZED TO USE NSF MARK ON THEIR PRODUCTS MUST AFFIX THE MARK

THE PRODUCTS ARE TESTED AND/OR EVALUATED BY NSF AND DETERMINED TO CONFORM TO THE REQUIREMENTS OF AN NSF STANDARD BEFORE A COMPANY IS AUTHORIZED TO USE AN NSF LISTING MARK (MARK) ON THE PRODUCTS, OR IN ADVERTISING OR OTHER LITERATURE FOR LISTED PRODUCTS. COMPANIES AUTHORIZED TO USE THE MARK HAVE SIGNED A CONTRACT CERTIFYING THAT THE MARK WILL BE PLACED ONLY ON PRODUCTS FULLY COMPLYING WITH RELEVANT NSF STANDARD AND THAT THE COMPANY AGREES TO ABIDE BY ALL OTHER NSF REQUIREMENTS AS SPECIFIED IN THE GENERAL AND PROGRAM SPECIFIC POLICIES RELATING TO THE USE OF AN NSF LISTING MARK. THIS IS VERIFIED BY NSF BY VARIOUS MEANS, WHICH MAY INCLUDE ANNUAL UNANNOUNCED INSPECTIONS OF THE PRODUCTION FACILITIES AND/OR PERIODIC RETESTING/RE-EVALUATION OF THE PRODUCTS.

LISTED PRODUCTS (EXCEPT INGREDIENTS, MATERIALS, OR PRODUCTS SPECIFICALLY EXEMPTED BY POLICY) MUST BEAR AN NSF MARK. THE LISTED PRODUCTS MUST BEAR A LANINATED "FOIL" MARK WITH AN IDENTIFYING NUMBER, OR THE PRODUCT MUST HAVE A NAMEPLATE OR DATA PLATE BEARING A LEGIBLE, AUTHORIZED FACSIMILE OF THE MARK, AND THE NAME AND ADDRESS OF THE MANUFACTURER, OR THE PRODUCT MUST BEAR AN AUTHORIZED LOGO ALONG WITH THE COMPANY NAME OR PRODUCT TRADE DESIGNATION. IF THE ONLY IDENTIFICATION ON A LISTED ITEM IS THE NUMBER ON THE MARK, CONTACT NSF TO DETERMINE THE IDENTITY OF THE COMPANY MANUFACTURING THE PRODUCT PRODUCT.

REV | DATE | DESCRIPTION | BY | ISSUE REF
VIEW CONVENTION | SCALE | UNITS OF MEASURE | INCH

McDonald's®
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

McDONALD'S CORPORATION
(ROC DRIVE)
OAK BROOK, ILLINOIS 60521

TITLE 37-84/89
DRAWN BY CES
MATERIAL / DESCRIPTION _FIXTURE CONNECTION_ LEGEND
DATE DRAWN 20APR89
DRAWING ID 89 -3783 BCF

CHECKED BY CES | DATE CHECKED 08DEC89
APPROVED BY | DATE APPROVED XX/XX/XX
ISSUE REF | DATE ISSUED 01SEP89
LOCAL ADDRESS

SHEET NO K12

MC0744 (9TES89)

EQUIPMENT ITEM	HORIZONTAL LENGTH
FREEZER	61'
COOLER	46'
SODA	32'
ICE	35'

SODA FACTORY

ICE

REFRIGERATION LINES

REFRIGERATION LINES

REFRIGERATION LINES

REFRIGERATION LINES

MAC 6H (SEE DETAIL 7)

EVAPORATOR

REV	DATE	DESCRIPTION	BY
VIEW CONVENTION		SCALE 1/2"=1'-0"	UNITS OF MEASURE INCH DAL
			ISSUE REF

REGISTERED ARCHITECT No. 14496 ANDOVER ILLINOIS STATE OF ILLINOIS

McDonald's®

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE 37-84/89 - BASEMENT

DRAWN BY CES	MATERIAL / DESCRIPTION _REFRIGERATION LINE_ LENGTHS	CHECKED BY CES	DATE CHECKED 08DEC89
DATE DRAWN 20APR89		APPROVED BY	DATE APPROVED XXX
DRAWING ID 89 3784 BCD		ISSUE REF	DATE ISSUED 01SEP89

LOCAL ADDRESS

SHEET NO K-13

ADDED (01SEP89)

HORIZONTAL LINES FOR	LENGTH
C I TO P B	18'
SODA TO C I	35'
ICE	4'
FILET	34'
AIR TO C I	34'
FITERED WATER TO C I	34'
OPT FIT WATER TO P B	19'

2' 1" (ICE)

10' 6"

10' 7"

17' 10" (SODA)

17' 11"

33' 11"

33' 2" (FILET FILTERED WATER)

1' 0"

4' 7"

5' 5"

17' 6" (SODA)

18' 10" (OPT FILTERED WATER)

REV	DATE	DESCRIPTION	SCALE 1/2"=1'-0"	UNITS OF MEASURE INCH CM
		VIEW CONVENTION		

			By ISSUE REF

McDonald's®
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

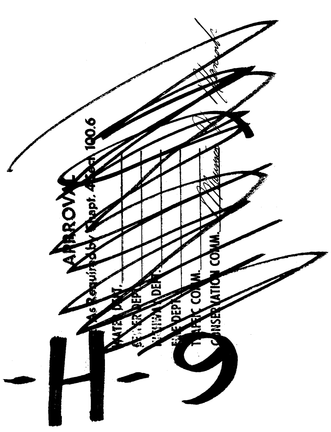
McDONALD'S CORPORATION
KROC DRIVE
OAK BROOK, ILLINOIS 60521

TITLE 37-84/89 - BASEMENT - AIR, SODA & WATER, HORIZONTAL LINE RUNS

DRAWN BY CES	MATERIAL / DESCRIPTION	CHECKED BY CES	DATE CHECKED 08DEC89
DATE DRAWN 20APR89		APPROVED BY	DATE APPROVED XXX
DRAWING NO 89 3784 BCD		ISSUE REF	DATE ISSUED 01SEP89

SHEET NO K14

MCD1&2 (01FEB89)



1-H-9

1-H-9

1-H-9